| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | NHP-0138(060), NHP-BLDG(001), STP-0203(150) | 2020 | 1 | 127 |

## INDEX


| SHEET NO. | DESCRIPTION |
|---|---|
| 1 | COVER |
| 2 | STANDARD PLAN SYMBOLS & STANDARD LEGEND |
| 3 | STANDARD NOTES - 1 |
| 4 | STANDARD NOTES - 1 |
| 5 | JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES |
| 6 | KEY PLAN |
| 7-16 | TYPICAL SECTION NOS. 1-10 |
| 17-50 | GENERAL PLAN NOS. 1-34 |
| 51-84 | DRAINAGE & UTILITY PLAN NOS. 1-34 |
| 85-86 | DRAINAGE DETAILS NOS. 1-2 |
| 87 | FLOODPLAIN COMPENSATION PLAN |
| 88 | WETLAND RESTORATION PLAN |
| 89-92 | MS4 MAINTENENCE PLAN NOS. 1-4 |
| 93-126 | GRADING PLAN NOS. 1-34 |
| 127 | PARKING LOT GRADING PLAN |


STATE OF RHODE ISLAND

# DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED

## STATE HIGHWAY

# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

## JT CONNELL HIGHWAY FROM BRIDGE STREET TO PLAZA DRIVE & ROUTE 138 FROM PELL BRIDGE TO ADMIRAL KALBFUS ROAD

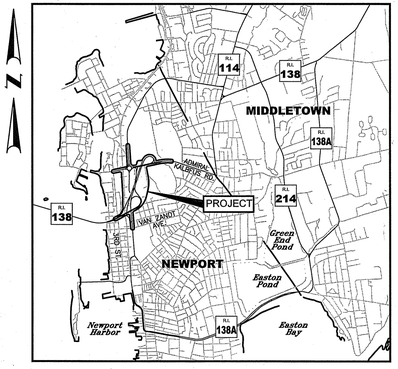
CITY OF NEWPORT
COUNTY OF NEWPORT

R.I. CONTRACT NO. 2020-CH-065 F.A. PROJECT NO. NHP-0138(060), NHP-BLDG(001), STP-0203(150)

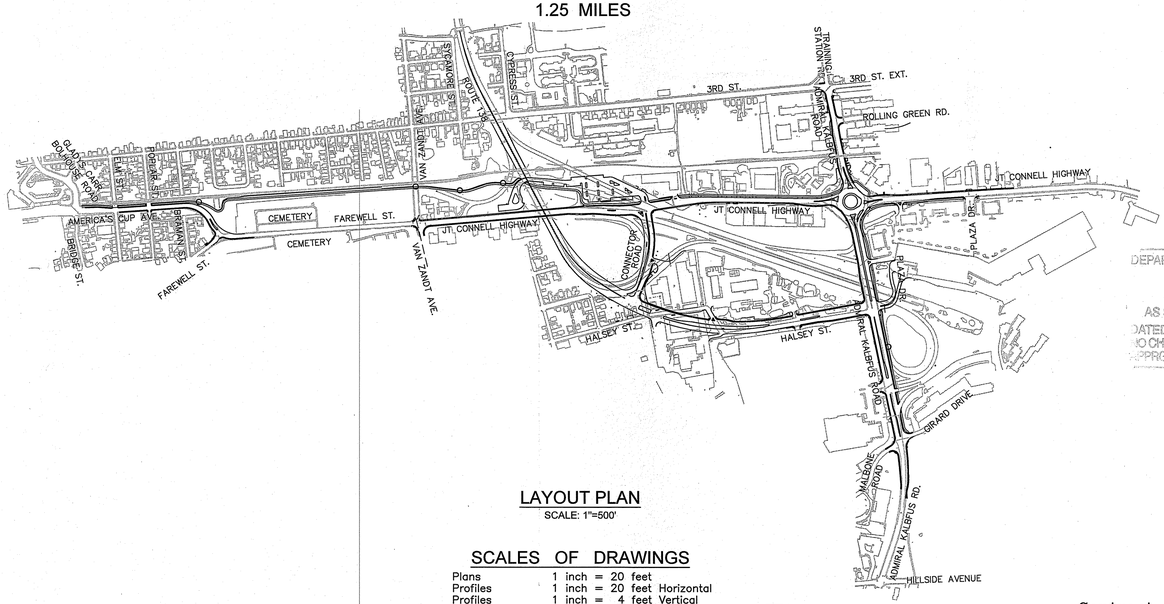
PAVEMENT STRUCTURE

2" MODIFIED CLASS 9.5
6" CLASS 19
12" GRAVEL BORROW SUBBASE COURSE

1.25 MILES




LOCATION MAP
SCALE: 1"=3600'




LAYOUT PLAN
SCALE: 1"=500'

### SCALES OF DRAWINGS

| | | | |
|---|---|---|---|
| Plans | 1 inch = 20 feet | | |
| Profiles | 1 inch = 20 feet | Horizontal | |
| Profiles | 1 inch = 4 feet | Vertical | |
| Cross Sections | 1 inch = 4 feet | Horizontal | |
| Cross Sections | 1 inch = 4 feet | Vertical | |

BASE OF LEVELS
NAVD 88
NAD 83(2011) (EPOCH:2010.0000)

### DESIGN DESIGNATION

| | ROUTE 138 | ADMIRAL KALBFUS ROAD (WEST OF ROUNDABOUT) | ADMIRAL KALBFUS ROAD (EAST OF HALSEY STREET) | HALSEY STREET |
|---|---|---|---|---|
| 2020 AADT | 36,500 V.P.D. | 11,200 V.P.D. | 21,900 V.P.D. | 200 V.P.D. |
| 2043 AADT | 44,200 V.P.D. | 11,800 V.P.D. | 32,500 V.P.D. | 25,800 V.P.D. |
| D | 51% EB | 68% WB | 50% WB | 52% NB |
| K | 9.6% | 7.8% | 7.8% | 9.6% |
| T | 6.3% | 11.5% | 5.9% | 6.3% |
| 2020 DHV | 3,500 V.P.H. | 880 V.P.H. | 1,720 V.P.H. | 20 V.P.H. |
| 2043 DHV | 4,240 V.P.H. | 930 V.P.H. | 2,550 V.P.H. | 2,480 V.P.H. |
| POSTED SPEED | 40 M.P.H. | 25 M.P.H. | 25 M.P.H. | 25 M.P.H. |

| | JT CONNELL HIGHWAY (NORTH OF ROUNDABOUT) | JT CONNELL HIGHWAY (NORTH OF VAN ZANDT AVENUE) | AMERICA'S CUP AVENUE |
|---|---|---|---|
| 2020 AADT | 18,600 V.P.D. | 23,400 V.P.D. | 10,700 V.P.D. |
| 2043 AADT | 22,000 V.P.D. | 25,200 V.P.D. | 11,300 V.P.D. |
| D | 57% SB | 55% SB | 57% SB |
| K | 8.3% | 9.6% | 9.0% |
| T | 8.5% | 6.3% | 4.5% |
| 2020 DHV | 1,550 V.P.H. | 1,840 V.P.H. | 960 V.P.H. |
| 2043 DHV | 1,830 V.P.H. | 2,420 V.P.H. | 1,020 V.P.H. |
| POSTED SPEED | 25 M.P.H. | 25 M.P.H. | 25 M.P.H. |

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wencek
Environmental Management
FEB 26 2021
Office of Water Resources

### HURRICANE EVACUATION ROUTE

This project includes work on a designated Hurricane Evacuation and Diversionary Route as follows:
- Route 138 Westbound, Admiral Kalbfus Road, JT Connell Highway, Farewell Street, America's Cup Avenue (Newport)

Refer to Note 18 on Sheet 3

## PERMIT SUBMISSION
## FEBRUARY 2021

R.I. DEPARTMENT OF TRANSPORTATION

APPROVED

ADMINISTRATOR, PROJECT MANAGEMENT — DATE

APPROVED

CHIEF ENGINEER OF INFRASTRUCTURE — DATE

APPROVED

DIRECTOR — DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED

DIVISION ADMINISTRATOR — DATE

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED MARCH 2018, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


Contract Number 2020-CH-065
Number of Sheet 1
Total Sheets 127

0050B_V1_001_COVER-PERMIT

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 2 | 127 |

## EXISTING

- EDGE OF PAVEMENT
- BERM
- CURB
- GUARDRAIL
- MB — MAILBOX
- NO. — UTILITY POLE
- POLE GUY
- LUMINARE
- SIGN — SIGN
- (SIZE)SD — SUBDRAIN
- (SIZE)D — STORMDRAIN
- (SIZE)S — SANITARY SEWER
- (SIZE)W — WATER MAIN
- (SIZE)G — GAS MAIN
- (SIZE)T — TELEPHONE DUCT
- (SIZE)E — ELECTRIC DUCT
- PLUG AND CAP PIPE
- ABANDONED UTILITY
- FLARED END SECTION
- HEADWALL
- WG OR GG — WATER OR GAS GATE
- CB — CATCH BASIN
- MH — MANHOLE
- HYD — HYDRANT
- 1+00 — BASELINE OR CENTERLINE
- EXIST. S.H.L. PLAT NO. XX — STATE HIGHWAY LINE
- EXIST. S.F.L. PLAT NO. XX — STATE FREEWAY LINE
- EXIST. P.E.B. — PERMANENT EASEMENT LINE
- EXIST. T.E.B. — TEMPORARY EASEMENT LINE
- PROPERTY LINE
- CITY NAME / TOWN NAME — CITY OR TOWN LINE
- PWW — PAVED WATERWAY
- ELEV. — CONTOUR LINE
- OPEN DITCH
- R.I.H.B. — R.I. HIGHWAY BOUND
- S.B. — STONE BOUND
- RETAINING WALL
- FIELD STONE WALL
- NO. / TYPE — BORINGS
- FENCE
- WOOD OR BRUSH LINE
- TREES
- (NAME) — RIVER OR STREAM
- WETLAND AREA
- NO. / TYPE / MATERIAL — BUILDING
- FOUNDATION
- BUILDING TO BE REMOVED
- RAILROAD TRACKS
- CUT AND MATCH
- RIP-RAP
- CUT SLOPE
- FILL SLOPE
- ROCK CUT
- 00x00 — SPOT GRADE
- AREA GRADED TO DRAIN
- BALED HAY RI STD 9.1.0
- BALED HAY & SILT FENCE RI STD. 9.3.0
- 123 124 125 — EDGE OF WETLAND
- WETLAND PERIMETER
- ASSF — AREA SUBJECT TO STORM FLOW
- 100 YR. FLOOD BOUNDARY — 100-YEAR FLOOD PLAIN
- LIMIT OF DISTURBANCE
- LIMIT OF CLEARING

## NEW

- NO.
- GUY
- N(SIZE)SD — (Length — Size)
- (Length — Size)
- N(SIZE)W
- N(SIZE)G
- N-#(SIZE)T
- N-#(SIZE)E
- 1+00
- NEW S.H.L. PLAT NO. XX
- NEW S.F.L. PLAT NO. XX
- NEW P.E.B.
- NEW T.E.B.
- ELEV.
- NO.
- ROADWAY / TOP OF SLOPE / ROADWAY / TOE OF SLOPE / ROCK SHELF / ROCK CUT
- 00.00 ELEV.
- LIMIT OF DISTURBANCE
- LIMIT OF CLEARING

| | |
|---|---|
| 1.1.0 | UNDERDRAIN |
| 1.3.0 | CONCRETE CONNECTING COLLAR |
| 2.1.0 | CONCRETE HEADWALLS FOR PIPE CULVERTS |
| 2.2.0 | STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0' PIPE CULVERTS |
| 2.3.0 (DIA.) | PRECAST CONCRETE FLARED END SECTION |
| 3.2.0 | BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE |
| 3.2.1 (DIA.) | BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE |
| 3.3.0 | BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN |
| 3.3.2 | BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN |
| 3.3.3 | SOLID BLOCK FLUSH SQUARE CATCH BASIN |
| 3.4.0 | BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN |
| 3.4.1 | BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET |
| 3.4.2 | BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN |
| 3.4.3 | BRICK/SOLID BLOCK TYPE "R" CATCH BASIN |
| 3.4.4 | SOLID BLOCK FLUSH ROUND CATCH BASIN |
| 3.4.5 (DIA.) | BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN |
| 3.5.0 | SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN |
| 3.5.1 (SIZE) | SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN |
| 3.6.0 | BRICK/SOLID BLOCK DROP INLET |
| 3.7.0 (DIA.) | BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0" |
| 4.2.0 | PRECAST 4'-0" ROUND MANHOLE |
| 4.2.1 | PRECAST 5'-0" ROUND MANHOLE |
| 4.2.2 | PRECAST 6'-0" ROUND MANHOLE |
| 4.3.0 (SIZE) | PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN |
| 4.4.0 (DIA.) | PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN |
| 4.5.0 | PRECAST CONCRETE DROP INLET |
| 4.5.1 | PRECAST CONCRETE DROP INLET LATERAL OUTLET |
| 4.5.2 | PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET |
| 5.3.0 | CATCH BASIN AND MANHOLE STEP |
| 5.4.0 | CONCRETE COLLARS |
| 6.1.0 | LIGHT-DUTY SQUARE FRAME AND ROUND COVER |
| 6.1.1 | HEAVY DUTY SQUARE FRAME AND ROUND COVER |
| 6.2.0 | LIGHT-DUTY ROUND FRAME AND COVER |
| 6.2.1 | HEAVY-DUTY ROUND FRAME AND COVER |
| 6.3.0 | SQUARE FRAME AND GRATE |
| 6.3.1 | SQUARE FRAME AND GRATE |
| 6.3.2 | SQUARE FRAME AND GRATE (BICYCLE SAFE) |
| 6.3.3 | HIGH CAPACITY FRAME AND GRATE |
| 6.3.4 | HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE) |
| 6.4.0 | ROUND FRAME AND GRATE |
| 7.1.0S | PRECAST CONCRETE CURB (STRAIGHT) |
| 7.1.0C | PRECAST CONCRETE CURB (CIRCULAR) |
| 7.1.1 | 3'-0' PRECAST CONCRETE TRANSITION CURB |
| 7.1.2 | 6'-0" PRECAST CONCRETE TRANSITION CURB |
| 7.1.4 | PRECAST 2'-0" RADIUS CORNER |
| 7.1.5 | PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN) |
| 7.1.6 | PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN) |
| 7.1.7 | PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN) |
| 7.1.8 | PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN) |
| 7.2.0S | PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT) |
| 7.2.0C | PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR) |
| 7.2.1 | PRECAST CONCRETE SLOPED FACE TRANSITION CURB |
| 7.2.2 | PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SPLOPED FACE) |
| 7.3.0S | GRANITE CURB (STRAIGHT) |
| 7.3.0C | GRANITE CURB (CIRCULAR) |
| 7.3.1 | 3'-0" GRANITE TRANSITION CURB |
| 7.3.2 | 6'-0" GRANITE TRANSITION CURB |
| 7.3.3 | GRANITE WHEELCHAIR RAMP TRANSITION CURB |
| 7.3.4 | GRANITE 2'-0" RADIUS CORNER |
| 7.3.5 | GRANITE INLET STONE (FOR SQUARE CATCH BASIN) |
| 7.3.6 | GRANITE INLET STONE (FOR ROUND CATCH BASIN) |
| 7.3.7 | GRANITE APRON STONE (FOR SQUARE CATCH BASIN) |
| 7.3.8 | GRANITE APRON STONE (FOR ROUND CATCH BASIN) |
| 7.4.0 | GRANITE SLOPED FACE CURB |
| 7.4.1 | GRANITE SLOPED FACE TRANSITION CURB |
| 7.4.2 | GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE) |
| 7.5.0 | BITUMINOUS CONCRETE LIP CURB |
| 7.5.1A | BITUMINOUS BERM (CONSTRUCTION METHOD A) |
| 7.5.1B | BITUMINOUS BERM (CONSTRUCTION METHOD B) |
| 7.6.0 | CURB SETTING DETAIL |
| 8.2.0 | BITUMINOUS CONCRETE DITCH |
| 8.3.0 | RIP-RAP DITCH |
| 8.4.0 | PAVED WATERWAY |
| 9.1.0 | BALED HAY EROSION CHECK |
| 9.2.0 | SILT FENCE DETAIL |
| 9.3.0 | BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED |
| 9.4.0 | BALED HAY DITCH AND SWALE EROSION CHECK |
| 9.5.0 | LOG AND HAY CHECK DAM |
| 9.7.0 | DEWATERING BASIN |
| 9.8.0 | BALED HAY CATCH BASIN INLET PROTECTION |
| 9.9.0 | CONSTRUCTION ACCESS |
| 10.1.0 | WET STONE MASONRY RETAINING WALL |
| 10.2.0 | RUBBLE MASONRY WALL |
| 10.3.0 | CONCRETE RETAINING WALL |
| 10.4.0 | STONE MASONRY STEPS |
| 14.1.0 | CONCRETE HIGHWAY BOUND |
| 15.1.0 | POST AND MOUNTINGS FOR RURAL MAILBOX |
| 15.2.0 (NO.) | POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES |
| 18.2.0 | PRECAST TYPE "A" HANDHOLE |
| 18.2.2 | HEAVY DUTY TYPE "H" HANDHOLE |
| 18.3.0 | ALUMINUM LIGHTING STANDARDS |
| 20.2.0 | BI-DIRECTIONAL CONTROL DEVICE |
| 24.6.1 | STREET SIGN MOUNTING DETAIL |
| 26.2.0 | POLYETHYLENE DRUM WITH MARKINGS |
| 26.3.0 | PVC PLASTIC PIPE TYPE III BARRICADE |
| 31.1.0 | CHAIN LINK FENCE 3'-0" TO 4'-0" |
| 31.2.0 | CHAIN LINK FENCE 5'-0" TO 6'-0" |
| 31.2.1 | CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST |
| 31.3.0 | WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST) |
| 34.1.0 | TYPICAL GUARDRAIL INSTALLATION |
| 34.2.0 | STEEL BEAM GUARDRAIL |
| 34.2.1 | STEEL BEAM GUARDRAIL DETAILS |
| 34.2.2 | STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY |
| 34.2.3 | STEEL BEAM GUARDRAIL FIXTURES |
| 34.2.5 | STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR |
| 34.3.1 | GUARDRAIL END SECTION |
| 34.3.2 | TERMINAL END SECTION (SINGLE FACE) |
| 34.3.3 | ANCHORAGE DETAILS APPROACH END SECTION |
| 34.3.4 | ANCHORAGE DETAILS TRAILING END SECTION |
| 34.4.0 | STEEL BACKED TIMBER GUARDRAIL |
| 34.4.1 | STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1 |
| 40.1.0 | DOUBLE-FACED PRECAST MEDIAN BARRIER |
| 40.2.0 | SINGLE-FACED PRECAST MEDIAN BARRIER |
| 40.2.1 | SINGLE-FACED PRECAST MEDIAN BARRIER |
| 40.3.0 | PRECAST MEDIAN BARRIER TRANSITION UNIT |
| 40.5.0 | PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL |
| 43.1.0 | CEMENT CONCRETE SIDEWALK |
| 43.2.0 | BITUMINOUS CONCRETE SIDEWALK |
| 43.3.0 | WHEELCHAIR RAMP |
| 43.3.1 | WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS |
| 43.4.0 | DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB |
| 43.4.1 | DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB |
| 43.5.0 | CEMENT CONCRETE DRIVEWAYS |
| 48.1.0 | DETECTABLE WARNING SYSTEM |
| 51.1.0 | TREE PROTECTION DEVICE |
| 51.1.1 | DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES |
| 51.2.0 | SHRUB PROTECTION DEVICE |
| 51.3.0 | TREE WELL |
| 51.4.0 | TREE WALL |

| | |
|---|---|
| AB | ADJUST CATCH BASIN TO GRADE |
| ABM | ADJUST CATCH BASIN TO MANHOLE |
| AC | ADJUST CURB STOP TO GRADE |
| AD | ADJUST DRAINAGE MANHOLE TO GRADE |
| AE | ADJUST ELECTRIC MANHOLE TO GRADE |
| AFC | ADJUST FRAME AND COVER TO GRADE |
| AFG | ADJUST FRAME AND GRATE TO GRADE |
| AG | ADJUST GAS GATE BOX TO GRADE |
| AHH | ADJUST HANDHOLE TO GRADE |
| AS | ADJUST SANITARY SEWER MANHOLE TO GRADE |
| AT | ADJUST TELEPHONE MANHOLE TO GRADE |
| AW | ADJUST WATER GATE BOX TO GRADE |
| BCD | BITUMINOUS CONCRETE DRIVEWAY 3" BITUMINOUS CONCRETE TYPE I-2 8" GRAVEL BORROW SUBBASE COURSE |
| BPS | BUILD NEW STRUCTURE OVER EXISTING PIPE |
| CCB | CLEAN CATCH BASIN |
| CCP | CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES) |
| CFP | CLEAN AND FLUSH PIPE |
| CG | CLEARING AND GRUBBING |
| CMH | CLEAN MANHOLE |
| CP (DEPTH) | COLD PLANE |
| CPP | CUT AND PLUG PIPE (ALL TYPES, ALL SIZES) |
| DB | REMOVE AND DISPOSE BITUMINOUS CURB |
| DC | REMOVE AND DISPOSE CONCRETE CURB |
| DCB | REMOVE AND DISPOSE CATCH BASIN |
| DDI | REMOVE AND DISPOSE DROP INLET |
| DF | REMOVE AND DISPOSE FENCE |
| DFC | REMOVE AND DISPOSE FRAME AND COVER |
| DFE | REMOVE AND DISPOSE FLARED END SECTION |
| DFG | REMOVE AND DISPOSE FRAME AND GRATE |
| DFH | REMOVE AND DISPOSE FIRE HYDRANT |
| DFP | REMOVE AND DISPOSE FLEXIBLE PAVEMENT |
| DG | REMOVE AND DISPOSE GUARDRAIL |
| DH | REMOVE AND DISPOSE HEADWALL |
| DHB | REMOVE AND DISPOSE HIGHWAY BOUND |
| DHH | REMOVE AND DISPOSE HANDHOLE |
| DL | REMOVE AND DISPOSE LIGHT AND FOUNDATION |
| DMB | REMOVE AND DISPOSE MEDIAN BARRIER |
| DMH | REMOVE AND DISPOSE MANHOLE |
| DMM | REMOVE AND DISPOSE MEDIAN MARKER |
| DOW | REMOVE AND DISPOSE OBSERVATION WELL |
| DP | REMOVE AND DISPOSE PIPE |
| DPB | REMOVE AND DISPOSE PAVEMENT AND RIGID BASE |
| DRB | REMOVE AND DISPOSE RIGID BASE |
| DS | REMOVE AND DISPOSE SIGN |
| DSS | REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM |
| DSW | REMOVE AND DISPOSE SIDEWALK |
| DTD | REMOVE AND DISPOSE TELEPHONE DUCT BANKS |
| DUP | REMOVE AND DISPOSE UTILITY POLE |
| DWW | REMOVE AND DISPOSE PAVED WATERWAY |
| FF | FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT |
| GET | FLARED GUARDRAIL END TREATMENT |
| IA | IMPACT ATTENUATOR |
| IDL | IMPERVIOUS DITCH LINER |
| LOD | LIMIT OF DISTURBANCE |
| LOR | LIMIT OF REGRADING |
| LS | 4" LOAM AND SEED |

| | |
|---|---|
| NFH | NEW FIRE HYDRANT WITH GATE VALVE |
| NIC | NOT IN THIS CONSTRUCTION CONTRACT |
| NWB | FURNISH AND INSTALL NEW WATER GATE VALVE BOX |
| NWVB | FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX |
| NWCB | FURNISH AND INSTALL NEW WATER CURB STOP BOX |
| NWSB | FURNISH AND INSTALL NEW WATER CURB STOP AND BOX |
| PCD | PERMANENT CHECK DAM |
| PS | 4" PLANTABLE SOIL AND SEED |
| RCB | RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET |
| RCM | R.I.D.O.T. COMMUNICATIONS MANHOLE |
| RHH | REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES) |
| RLP | RELOCATE LAMP POST |
| RMB | RELOCATE MAILBOX (BY OTHERS) |
| RPM | REMOVE PAVEMENT MARKINGS |
| RRP | RIP-RAP PAD (SEE DETAIL) |
| RRS | REMOVE AND RELOCATE SIGN |
| RUP | RELOCATE UTILITY POLE (BY OTHERS) |
| SB | STONE BAFFLE |
| SBAE | STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL) |
| SBTE | STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL) |
| SD- | STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION |
| SF | REMOVE AND STOCKPILE FENCE |
| SGA | SPECIAL GRADED AGGREGATE |
| SGC | REMOVE AND STOCKPILE GRANITE CURB |
| SGR | REMOVE AND STOCKPILE GUARDRAIL |
| SH | REMOVE AND STOCKPILE HYDRANT |
| SS | REMOVE AND STOCKPILE SIGN |
| STS | REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM |
| TB | CONCRETE THRUST BLOCK |
| TEP | TIE EXISTING PIPE INTO NEW STRUCTURE |
| TNP | TIE NEW PIPE INTO EXISTING STRUCTURE |
| TBT | THRIE BEAM TRANSITION |
| TBBC | THRIE BEAM BRIDGE CONNECTION |
| TT | TREE TRIMMING |
| WCM | 4" WOOD CHIP MULCH |
| 4DY | 4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW |
| 6W | 6" EPOXY RESIN PAVEMENT MARKINGS - WHITE |
| 12W | 12" EPOXY RESIN PAVEMENT MARKINGS - WHITE |
| 6WT | 6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE) |
| 4Y | 4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW |
| 6Y | 6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW |
| P.G.L. | PROFILE GRADE LINE |

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED [redacted] FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 2
OF:

SCALE: NOT TO SCALE

| REVISIONS | | | REVISIONS | | |
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PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# STANDARD PLAN SYMBOLS & STANDARD LEGEND

0050B_V1_002_STDSYM

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 3 | 127 |

## GENERAL NOTES:

1. ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
2. THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.06 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING HIM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE RESIDENT ENGINEER WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL HE IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
4. ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
5. THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
6. ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE PAID FOR UNDER THE CONTRACT UNIT BID PRICE FOR CODE 403.0300 "ASPHALT EMULSION TACK COAT."
8. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
9. UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
10. CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
11. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
12. THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
13. PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
15. NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.
17. ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
18. IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.
19. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM). AND/OR THE ARMY CORPS OF ENGINEERS (ACOE). AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
20. FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
21. NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.
22. THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

## DRAINAGE AND EROSION CONTROL NOTES:

1. FOR ALL PROJECTS WITH AT LEAST ONE(1) ACRE OF SOIL DISTURBANCE. R.I.D.O.T. IS REQUIRED TO DEVELOP AND ENFORCE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RIPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE SPECIFIC SWPPP FOR THIS PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
2. NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOILS MUST BE RESTABILIZED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
3. STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODABLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH R.I. STD. 9.1.0 TO STABILIZE.
4. IF THE PLANS INCLUDE SPECIFIC AREAS FOR PLACEMENT OF CONSTRUCTION DEWATERING BASINS AND/OR EQUIPMENT AND MATERIALS STORAGE AND STOCKPILING, AND IF THE CONTRACTOR ELECTS TO UTILIZE ANY OTHER AREAS FOR THESE PURPOSES, THIS SHALL BE APPROVED BY THE ENGINEER ONLY AFTER OBTAINING ANY NECESSARY PERMITS AND/OR PERMIT MODIFICATIONS FROM THE APPROPRIATE REGULATORY AUTHORITY(IES). ANY PERMITTING REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE ACCOMPLISHED AT NO COST TO THE STATE. THE ENGINEER WILL COORDINATE SUBMISSION OF ANY REQUIRED PERMIT APPLICATION MATERIALS WITH THE R.I.D.O.T. OFFICE OF ENVIRONMENTAL PROGRAMS.
5. JUTE MESH SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
6. SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
   a. SEEDING TYPE I.
   b. ADHESIVE MULCH STABILIZER
7. UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
8. PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
9. ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
10. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
11. CATCH BASIN RIM GRADES NOTED ON PLANS ARE DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.
12. PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL BE KEPT TO A MINIMUM.
   a. ANY VEGETATIVE CLEARING SHALL BE LIMITED TO BRUSH AND TREES LESS THAN 3" DIAMETER.
   b. NO HEAVY EQUIPMENT MAY ENCROACH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
13. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.
14. R.I. STD. 9.8.0 BALED HAY INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ABUTTING GROUND SURFACES ARE STABILIZED.
15. WHERE BALED HAY INLET PROTECTION AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.

## DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):

16. DETENTION AND RETENTION BASINS MAY BE ROUGH GRADED AND STABILIZED WITH VEGETATION AND/OR OTHER EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO USE AS TEMPORARY SEDIMENTATION BASINS DURING PROJECT CONSTRUCTION. FINAL BASIN CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SOURCES OF SEDIMENT HAVE BEEN ELIMINATED, FINAL ROADSIDE VEGETATION IS ESTABLISHED AND USE OF TEMPORARY BASINS IS NO LONGER REQUIRED AS DIRECTED BY THE ENGINEER. ANY ISSUES RELATING TO EROSION AND/OR SEDIMENT TRANSPORT INTO WETLAND AREAS RESULTING FROM SUCH USE OF SEDIMENTATION BASINS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION REQUIRED TO RESOLVE SUCH ISSUES SHALL BE COMPLETED BY THE CONTRACTOR.
17. THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
18. PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
19. ALL HAY BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
20. THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE STATE.
21. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
22. ADDITIONAL EROSION CONTROLS, SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.

## UTILITY NOTES:

1. EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
2. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.
3. ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
4. EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
5. UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
6. FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
7. ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
8. ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAR 2 2 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wenek

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1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 3
OF:

SCALE: NOT TO SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 4/07 | TRB | | | |
| 2 | 3/10 | RBH | | | |
| 3 | 4/14 | MLP | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

STANDARD NOTES - 1

0050B_V1_003_STDNOTES01

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 4 | 127 |

## LANDSCAPE NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
2. ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
4. A R.I.D.O.T. LANDSCAPE REPRESENTATIVE MUST BE ON SITE TO APPROVE ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
5. ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
6. ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
7. ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
8. PROVIDE A MINIMUM 6'–8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.

## STRUCTURAL NOTES FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS:

### GENERAL

1. ALL SUPPORT DESIGNS AND ASSOCIATED SHOP DRAWING REVIEWS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION, OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS (THE "SPECIFICATIONS"), INCLUDING THE LATEST INTERIM SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

### CONSTRUCTION DRAWINGS AND DETAILS

1. THE FOLLOWING NOTES SHALL BE INCLUDED ON ALL PLANS AND/OR SHOP DRAWINGS IN REFERENCE TO ANCHOR BOLTS:
   - "PRETENSIONING OF ALL ANCHOR NUTS IS REQUIRED, AND SHALL BE ACCOMPLISHED BY TIGHTENING TO 1/6TH TURN BEYOND THE SNUG–TIGHT POSITION."
   - "THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND THE TOP OF THE CONCRETE IS CRITICAL AND SHALL NOT EXCEED THE AMOUNT SPECIFIED ON THIS DRAWING."
2. THE USE OF GROUT UNDER BASE PLATES SHALL GENERALLY NOT BE PERMITTED. IF SPECIFIC CONDITIONS WARRANT ITS USE, THE GROUT SHALL NOT BE CONSIDERED LOAD CARRYING; LOADS SHALL BE DIRECTLY SUPPORTED BY THE ANCHOR BOLTS. ADEQUATE DRAINAGE SHALL BE PROVIDED.
3. THE DAMPENING EFFECTS OF VIBRATION MITIGATION DEVICES SHALL NOT BE CONSIDERED IN THE DESIGN OF STRUCTURAL SUPPORTS FOR SIGNS AND TRAFFIC SIGNALS. IF THE CONTRACTOR CHOOSES TO USE THESE DEVICES FOR WARRANTY PURPOSES, THE TYPE OF DEVICES PROPOSED SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO FABRICATION OF SUPPORTS.

## TRAFFIC SIGNAL NOTES:

1. ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE R.I.D.O.T. MAINTENANCE HEADQUARTERS, 360 LINCOLN AVENUE, WARWICK, RHODE ISLAND, 02888.
2. BACK PLATES SHALL BE INSTALLED ON ALL TRAFFIC SIGNAL HEADS.
3. THE CONTRACTOR SHALL SUPPLY AND INSTALL ON THE UPPER LEFT HAND CORNER OF THE BACK OF THE CONTROLLER CABINET DOOR A LAMINATED INTERSECTION GRAPHIC AND TABLE DEPICTING THE TRAFFIC DETECTOR RELAY CHANNEL ASSIGNMENTS. THE DIAGRAM SHALL BE A GRAPHIC OF THE INDIVIDUAL INTERSECTION ORIENTED SIMILAR TO THE PLANS SHOWING THE LOCATIONS OF EACH OF THE LOOP DETECTORS. THE DIAGRAM SHALL, AT A MINIMUM, INCLUDE DETECTOR NUMBERS, STREET NAME LABELS, NORTH ARROW, AND CONTROLLER CABINET LOCATION. THE ASSIGNMENT INFORMATION SHALL BE INCLUDED IN A TABLE WHICH SHALL INCLUDE, AT A MINIMUM, THE APPROACH NAME, DETECTOR NUMBER, TERMINAL NUMBER, DETECTOR RACK SLOT NUMBER, RELAY NUMBER, RELAY CHANNEL NUMBER, AND PHASE ASSOCIATED WITH EACH DETECTOR.
4. TRAFFIC CONTROLLER CABINETS, UNLESS OTHERWISE NOTED, SHALL BE NEMA TS2 TYPE 1 CABINET SIZE 6 ("P" TYPE) WITH NOMINAL DIMENSIONS OF 52"Hx44"Wx24"D.
5. ALL DELAY AND EXTENSION TIMES, AS CALLED FOR ON THE PLANS, FOR PROPOSED LOOP DETECTORS SHALL BE PROGRAMMED IN THE TRAFFIC SIGNAL CONTROLLER AND NOT THE DETECTOR RELAY.
6. A BARE GROUND WIRE SHALL BE PLACED IN ALL PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. THE FINAL POSITION OF SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, DETECTORS, AND STOP LINE AND CROSSWALK PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD ACCORDING TO ACTUAL INTERSECTION CHARACTERISTICS.
8. A 2' MINIMUM BUFFER SHALL BE PROVIDED BETWEEN THE CURB AND ALL LATERAL OBSTRUCTIONS (INCLUDING ALL SIGNAL POLES AND TRAFFIC/PEDESTRIAN SIGNAL HEADS) TO PROVIDE ADEQUATE CLEARANCE FOR TURNING VEHICLES.
9. ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
10. WHEN PLACING TRAFFIC SIGNAL HANDHOLES OR CONDUIT IN EXISTING PORTLAND CEMENT CONCRETE SIDEWALKS, THE ENTIRE SIDEWALK SQUARE OF CONCRETE SHALL BE REPLACED IN ACCORDANCE WITH R.I. STD. 43.1.0. NO PATCHES WILL BE ALLOWED.
11. ALL PEDESTRIAN PUSHBUTTONS SHALL BE COMPLIANT WITH "THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES" (ADAAG) AND SHALL INCLUDE A PRESSURE–ACTIVATED (NON–MOVING) BUTTON. SIGNS APPLICABLE TO PUSHBUTTON ACTUATION SHALL BE INSTALLED SUCH THAT THE CROSSING ASSIGNED TO EACH BUTTON IS CLEARLY INDICATED. IF SITE CONDITIONS DO NOT ALLOW PEDESTRIAN PUSHBUTTONS TO BE INSTALLED WHERE CALLED FOR ON THE PLANS, THE R.I.D.O.T. TRAFFIC ENGINEERING UNIT SHALL BE CONSULTED WITH THROUGH AN R.F.I. PRIOR TO INSTALLING THE PUSHBUTTONS. THE FINAL PLACEMENT OF ALL PEDESTRIAN PUSHBUTTONS SHALL BE IN ACCORDANCE WITH ADAAG AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
12. ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
13. ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
14. TRAFFIC SIGNAL CONTROLLERS SHALL BE WIRED SO THAT ANY FIRE PRE–EMPTION SHALL OVERRIDE MANUAL (PUSH BUTTON) OPERATION.
15. THE CONTRACTOR SHALL WORK CONTINUOUSLY TO RESTORE TRAFFIC SIGNAL OPERATION TO ITS INTENDED PURPOSE WHEN REPLACING THE TRAFFIC SIGNAL EQUIPMENT. A POLICE DETAIL IS REQUIRED TO DIRECT TRAFFIC AT THE INTERSECTION AT ALL TIMES WHEN THE TRAFFIC SIGNAL IS INOPERATIVE. AT NO TIME SHALL THE CONTRACTOR LEAVE THE SITE BEFORE RESTORING FULL TRAFFIC OPERATIONS.

## MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
4. ADVANCE FLAGPERSON SIGNS (W20–7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
5. POLICE OFFICERS (AND NOT FLAGPERSONS) SHALL BE UTILIZED WHEN WORK WILL IMPACT SIGNALIZED INTERSECTIONS AND LIMITED ACCESS HIGHWAYS.
6. POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET–UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET–UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
7. ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
8. TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
9. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT–OF–WAY ONLY IN AREAS 30' BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
10. TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
11. THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. WATERBORNE PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD–PLANED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
Martin D. Wencek

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 4
OF:

SCALE: NOT TO SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 4/07 | TRB | | | |
| 2 | 11/07 | TRB | | | |
| 3 | 3/10 | RBH | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

STANDARD NOTES - 2

0050B_V1_004_STDNOTES02

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 5 | 127 |

## JOB SPECIFIC LEGEND:

- 6.4.0M — INLET FRAME WITH BEEHIVE GRATE – SEE DETAIL
- 7.7.0 — GRANITE TRUCK APRON STONE
- 8.1.0 — SEEDED DITCH RI STD. 8.1.0 (1)
- 14.2.0 — GRANITE HIGHWAY BOUND (1)
- 20.1.0 — PAVEMENT MARKINGS ARROWS AND ONLY
- 20.4.0 — PAVEMENT MARKINGS – YIELD LINE
- 24.2.0 — SIGN POST SELECTION AND INSTALLATION DETAILS U CHANNEL POST (SIGNS UP TO 8'–0"W X 4'–0"H)
- 24.6.0 — PARKING SIGN MOUNTING DETAIL
- 30.1.1 — POST SELECTION TABLE FOR BREAKAWAY SIGNS (SIGNS 6'–0"W X 4'–0"H AND GREATER)
- 31.2.0M — CHAIN LINK FENCE WITH PRIVACY SCREEN (6' HEIGHT)
- 34.1.0M — ROADSIDE GUARDRAIL INSTALLATION MODIFIED – SEE DETAIL
- 34.2.0M — STEEL BEAM GUARDRAIL SINGLE FACE (MASH) – SEE DETAIL
- 43.2.0M — BITUMINOUS CONCRETE SIDEWALK MODIFIED
  3" CLASS 4.75 HMA FOR MISCELLANEOUS WORK
  8" GRAVEL BORROW SUBBASE COURSE
- 43.3.2 — RAMP–LANDING FOR NARROW SIDEWALK
- AMW — BLENDED TRANSITION RAMP – SEE DETAIL (1)
- AWM — ADJUST MONITORING WELL (3)
- BCDM — ADJUST WATER METER
- BP — BITUMINOUS CONCRETE DRIVEWAY MODIFIED
  3" CLASS 9.5 HMA FOR MISCELLANEOUS WORK
  8" GRAVEL BORROW SUBBASE COURSE
- BR — BUMPING POST – SEE DETAIL (1)
- CCM — BICYCLE RAMP
- CCMB — 6" CEMENT CONCRETE MEDIAN
- CFS — FURNISH AND INSTALL CRASH CUSHION FOR MOVEABLE BARRIER (2)
- CS — COMPOST FILTER SOCK
- CTA — CRUSHED STONE – 4" DEPTH (1)
- CW — CEMENT CONCRETE TRUCK APRON – SEE DETAIL
- CROSSWALK PAVEMENT MARKINGS – SEE DETAIL
- DBLD — DEMOLISH BUILDING (1)
- DBM — REMOVE AND DISPOSE BITUMINOUS MEDIAN
- DBO — REMOVE AND DISPOSE BOLLARD
- DBW — REMOVE AND DISPOSE BLOCK WALL
- DCC — REMOVE AND DISPOSE CRASH CUSHION
- DCM — REMOVE AND DISPOSE CONCRETE MEDIAN
- DCS — REMOVE AND DISPOSE CONCRETE SHOULDER
- DCCS — REMOVE AND DISPOSE CONCRETE CAR STOP
- DDP — REMOVE AND DISPOSE DELINEATOR PANEL AND POST
- DFD — REMOVE AND DISPOSE FLEXIBLE DELINEATOR
- DGC — REMOVE AND DISPOSE GRANITE CURB (1)
- DGS — REMOVE AND DISPOSE GROUND MOUNTED SIGN PANEL, POSTS, AND BASES
- DIA — REMOVE AND DISPOSE IMPACT ATTENUATOR
- DOS — REMOVE AND DISPOSE OVERHEAD SIGN PANEL
- DOSS — REMOVE AND DISPOSE OVERHEAD SIGN STRUCTURE
- DRW — REMOVE AND DISPOSE RETAINING WALL
- DSB — REMOVE AND DISPOSE SHRUB
- DT — REMOVE AND DISPOSE TREE
- DTR — REMOVE AND DISPOSE TRACK AND TIES (1)
- DW — DELINEATOR – WHITE
- FDP — FULL DEPTH PAVEMENT (VARIES – SEE TYPICAL SECTIONS)
- FG4 — 4" FRAME AND GRATE
- GDR — GUARDRAIL END DELINEATOR – RED
- IP — INLET PROTECTION
- LRA — LANE REDUCTION ARROW PAVEMENT MARKING
- MED — MEDIAN STRIPING – SEE DETAIL
- MHB — HAUL AND INSTALL DOUBLE FACED MOVEABLE BARRIER (MASH)
- (X") MM — MICROMILL (DEPTH)
- OV — OVERLAY
  2" MODIFIED CLASS 12.5 HMA W/ PAY ADJUSTMENTS
  VARIABLE DEPTH CLASS 12.5 HMA FOR LEVELING (5)
- RAM — ROUNDABOUT ARROW PAVEMENT MARKINGS – SEE DETAIL
- RCC — RECONSTRUCT CORBEL CONE
- RCVW — RECONSTRUCT VERTICAL WALLS
- RGS — REMOVE AND RELOCATE GROUND MOUNTED SIGN (1)

## JOB SPECIFIC LEGEND (CONT'D):

- RHB — REMOVE AND RESET HIGHWAY BOUND (1)
- RRFB — RECTANGULAR RAPID FLASHING BEACON SYSTEM – SEE DETAIL
- RXM — RAILROAD CROSSING PAVEMENT MARKINGS – SEE DETAIL
- RXR — RAILROAD CROSSING RAMP
- SCS — REMOVE, STOCKPILE AND RESET CAR STOPS
- SFB# — SEDIMENT FOREBAY #
- SOP — STONE OUTLET PROTECTION
- SRF — SPLIT RAIL FENCE – SEE DETAIL
- SUP — SHARED USE PATH
  1" CLASS 4.75 HMA
  3" CLASS 19 HMA W/ PAY ADJUSTMENTS (5)
  12" GRAVEL BORROW SUBBASE COURSE (1)
- TRBS — TRANSITION TO RIGID BARRIER (SINGLE FACED) – SEE DETAIL
- WCR1 — WHEELCHAIR RAMP – SEE DETAIL (1)
- WPM — WORD PAVEMENT MARKING – SEE DETAIL
- 4BY — 4" BROKEN YELLOW LANE LINE MARKING – SEE DETAIL
- 6BW — 6" BROKEN WHITE LANE LINE MARKING – SEE DETAIL
- 6DSW — 6" INTERSECTION WHITE GUIDE LINE MARKING – SEE DETAIL
- 6DWL — 6" DASHED WHITE LANE DROP MARKING – SEE DETAIL
- 8Y — 8" EPOXY RESIN PAVEMENT MARKINGS – YELLOW (2)
- 12DWL — 12" DASHED WHITE LANE DROP MARKING – SEE DETAIL
- 12CRE — 12" CIRCULATORY ROAD EDGE LINE MARKING – SEE DETAIL
- 24W — 24" EPOXY RESIN PAVEMENT MARKINGS – WHITE

## GENERAL NOTES:

(1)
1. THE EXISTING RHODE ISLAND TURNPIKE AND BRIDGE AUTHORITY (RITBA) SOLAR BLUETOOTH EQUIPMENT THROUGHOUT THE PROJECT AREA IS TO BE REMOVED BY OTHERS. IF THIS EQUIPMENT HAS NOT BEEN REMOVED FROM EXISTING TRAFFIC SIGNAL POSTS AND/OR LIGHT POLES PRIOR TO THE START OF WORK, THE CONTRACTOR SHALL COORDINATE WITH RITBA FOR THE REMOVAL.

## GENERAL NOTES - TRAFFIC SIGNALS:

1. ALL RIDOT OWNED TRAFFIC SIGNAL EQUIPMENT TO BE SALVAGED SHALL BE DELIVERED TO THE RIDOT MAINTENANCE HEADQUARTERS, 360 LINCOLN AVENUE WARWICK, RHODE ISLAND AND ALL SALVAGED TRAFFIC SIGNAL STRUCTURES SHALL BE DELIVERED TO THE RIDOT ANTHONY MAINTENANCE FACILITY AT 16 MAPLEDALE STREET IN COVENTRY, RHODE ISLAND. (THIS NOTE SHALL REPLACE TRAFFIC SIGNAL NOTE 1 ON STANDARD NOTES–2)
2. ALL TRAFFIC SIGNAL CONTROLLERS SUPPLIED AND INSTALLED AS PART OF THIS PROJECT SHALL HAVE THE CAPABILITY OF SUPPORTING TRANSIT SIGNAL PRIORITY (TSP) WITHOUT THE NEED FOR ADDITIONAL SOFTWARE OR HARDWARE. THIS CAPABILITY SHALL BE PART OF THE CONTROLLER FIRMWARE (MINIMUM OF VERSION 3.56 OR ABOVE IF CONTROLLER IS MANUFACTURED BY SIEMENS) AND BE ACCESSED WITHOUT THE NEED FOR ADDITIONAL CONTROLLER FIRMWARE MODIFICATIONS OR EXTERNAL KEY DEVICES. THE TSP SYSTEM SHALL INITIALLY BE DISABLED BY THE CONTRACTOR UNTIL A FUTURE DATE TO BE DETERMINED BY RIDOT AND RIPTA.
3. BACKPLATES ARE REQUIRED ON ALL TRAFFIC SIGNAL HEADS ON NEW STRUCTURES AND SHALL BE INCLUDED IN THE PRICE OF THE SIGNAL HEADS. (THIS NOTE SHALL REPLACE TRAFFIC SIGNAL NOTE 2 ON STANDARD NOTES–2)
4. TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE ORIENTED SO THAT THE CABINET DOOR IS FACING AWAY FROM THE ROADWAY IF STATE PROPERTY ALLOWS, UNLESS OTHERWISE STATED ON THE PLANS OR DIRECTED BY THE ENGINEER.

(1)
5. THE CONTRACTOR SHALL INSTALL ALL GROUND MOUNTED SIGNAL CABINETS ON A 6" MINIMUM RISER EXTENSION BASE. THE COST SHALL BE CONSIDERED INCIDENTAL TO THE COST OF ITEM CODE T12.9901.

6. IF THE ASSIGNED RIGHT OF WAY FOR ANY TRAFFIC MOVEMENT IS TO REMAIN IN EFFECT DURING THE NEXT CALLED PHASE, THE SIGNAL INDICATIONS FOR THAT TRAFFIC MOVEMENT WILL NOT CHANGE DURING THE CLEARANCE INTERVAL.
7. THE RIGHT OF WAY MAY BE ASSIGNED TO ANY PHASE, OR COMBINATION OF NON–CONFLICTING PHASES.
8. ACCESS TO PEDESTRIAN PUSHBUTTONS SHALL MEET PROWAG & 2009 MUTCD REQUIREMENTS. ALL PEDESTRIAN PUSHBUTTONS SHALL BE MUTCD 2009 CODE R10–3E (LEFT OR RIGHT) AND SHALL BE INSTALLED SO THAT IT IS CLEARLY INDICATED WHICH CROSSING IS ASSIGNED TO EACH BUTTON. (THIS NOTE SHALL SUPPLEMENT TRAFFIC SIGNAL NOTE 11 ON STANDARD NOTES–2)
9. CONTRACTOR SHALL HAND DIG AT ALL GAS PIPELINE CROSSINGS.
10. A ROTARY WHEEL OR OTHER MECHANICAL TRENCHING METHOD SHALL NOT BE ALLOWED.
11. A 1 FOOT VERTICAL CLEARANCE IS REQUIRED BETWEEN NEW CONDUIT AND NATIONAL GRID GAS FACILITIES.
12. ALL NEW MANHOLES, HANDHOLES, PULL BOXES, AND FOUNDATIONS SHALL MEET A MINIMUM 1 FOOT LATERAL CLEARANCE AND NOT BE PLACED OVER NATIONAL GRID GAS AND WATER DEPARTMENT FACILITIES.

(1)
13. PRIOR TO ORDERING AND/OR FABRICATION OF THE MAST ARMS AND PEDESTAL POLES, THE CONTRACTOR SHALL PERFORM TEST PITS TO CONFIRM THAT THERE ARE NO OBSTRUCTIONS WITH THE PROPOSED FOUNDATIONS. IF OBSTRUCTIONS ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER. THE ENGINEER, THE CONTRACTOR, AND THE ENGINEER OF RECORD WILL WORK TOGETHER ON IDENTIFYING AN ALTERNATE LOCATION FOR THE NEW MAST ARM OR PEDESTAL POLE. PLEASE NOTE THAT THESE ALTERNATIVE LOCATIONS MAY RESULT IN LONGER MST ARMS OR FEWER PEDESTAL POLES THAN WHAT IS SHOWN ON THE PLANS. THE ENGINEER WILL DIRECT THE CONTRACTOR TO INCORPORATE THE APPROPRIATE REVISIONS IN THE CONTRACT.

14. ALL APS PUSHBUTTONS SHALL BE DRY FIT IN THE PRESENCE OF THE ENGINEER OR HIS REPRESENTATIVE TO DEMONSTRATE PROPER ORIENTATION OF THE PUSHBUTTON'S TACTILE ARROW/R10–3e SIGN ARROW WHICH IS TO BE ALIGNED PARALLEL TO THE CROSSWALK DIRECTION.

(1)
15. WHERE PEDESTRIAN PUSHBUTTONS ARE PROPOSED ON MAST ARM TRAFFIC SIGNAL POSTS AND AT OTHER LOCATIONS INDICATED ON THE PLANS WHERE A 10" MAXIMUM REACH CANNOT BE OBTAINED, A PUSHBUTTON EXTENSION BRACKET MAY BE REQUIRED TO ACHIEVE A 10" MAXIMUM REACH PER THE PEDESTRIAN PUSHBUTTON REACH REQUIREMENTS DETAIL. THE COST OF PUSHBUTTON EXTENSION BRACKETS SHALL BE CONSIDERED INCIDENTAL TO ITEM CODE T13.8210 ACCESSIBLE PEDESTRIAN DETECTOR – PUSHBUTTON WITH SIGN.

16. WHERE THE MODIFIED MAST ARMS ARE CALLED FOR TO ACCOMMODATE REQUIRED CLEARANCES FROM OVERHEAD UTILITIES AND THE ROADWAY, THE SHOP DRAWING SKETCHES SHALL INCLUDE THE APPROXIMATE HORIZONTAL AND VERTICAL LOCATIONS OF THE OVERHEAD WIRES WITH CLEARANCES DIMENSIONED TO THE MAST ARM TUBE AND SHAFT, AND CLEARANCES DIMENSIONED FROM THE MAST ARM TUBE TO THE ROADWAY SURFACE AT THE PROPOSED CURB LINE AS DETAILED ON THE RESPECTIVE MISCELLANEOUS DETAILS PLANS AND AS REFERENCED IN THE CONSTRUCTION NOTES ON THE TRAFFIC SIGNAL PLANS. THE STRUCTURE GEOMETRY SHALL BE DRAWN TO ACTUAL SCALE PER FABRICATOR'S CUSTOM DESIGN.
17. ALL CABLE DRIP LOOPS SHALL UTILIZE UV RATED CABLE TIES. THE USE OF ELECTRICAL TAPE WILL NOT BE ALLOWED.
18. AN INDIVIDUAL CONTROL UNIT FOR EACH ACCESSIBLE PEDESTRIAN DETECTOR SHALL BE INSTALLED IN THE ASSOCIATED PEDESTRIAN SIGNAL HEAD OR IN THE DETECTOR HOUSING ITSELF. A CENTRAL CONTROL UNIT IN THE TRAFFIC SIGNAL CONTROLLER CABINET FOR THE ACCESSIBLE PEDESTRIAN DETECTORS SHALL NOT BE FURNISHED OR INSTALLED.

(1)
19. THE ASSUMED LOCATIONS OF EXISTING CONDUIT NETWORKS SHOWN ON THE PLANS ARE BASED ON HISTORICAL TRAFFIC SIGNAL PLANS.

## GENERAL NOTES - SIGNS:

1. ALL NEW DIRECTIONAL, REGULATORY, WARNING, GUIDE SIGNS AND PARKING SIGNS SHALL HAVE SIGN SUPPORTS. UNLESS OTHERWISE INDICATED, SIGN MOUNTINGS SHALL BE R.I. STD. 24.2.0 OR 24.6.0 AS APPROPRIATE.
2. FOR ALL GROUND MOUNTED AND MAST ARM MOUNTED STREET NAME SIGN MOUNTINGS, THE BRACKET LENGTH SHALL BE EQUAL TO OR GREATER THAN 3/4 (75%) OF THE LENGTH OF THE SIGN.
3. FOR ALL OVERHEAD MAST ARM MOUNTED STREET NAME AND REGULATORY SIGNS TO BE MOUNTED ON MAST ARMS THAT ARE PERPENDICULAR TO INTERSECTION APPROACHES, TO OBTAIN THE PROPER SIGN ORIENTATION THE CONTRACTOR SHALL UTILIZE A SKYBRACKET SIGN MOUNTING, OR APPROVED EQUIVALENT. STREET NAME SIGNS INSTALLED UNDER THIS SCENARIO SHALL BE SINGLE SIDED.

   FOR ALL OVERHEAD MAST ARM MOUNTED STREET NAME AND REGULATORY SIGNS TO BE MOUNTED ON MAST ARMS THAT ARE SKEWED TO INTERSECTION APPROACHES, TO OBTAIN THE PROPER SIGN ORIENTATION THE CONTRACTOR SHALL UTILIZE A PELCO ASTRO SIGN–BRAC ASSEMBLY PART NO. AS–0632, SIGN–BRAC TUBE WITH HARDWARE KIT PART NO. AB–0507, AND PELCO ANGLE PART NO. SE–0547–XX–PNC USED TO CONNECT SIGN PANELS TO THE SIGN–BRAC TUBE, OR APPROVED EQUIVALENT. STREET NAME SIGNS INSTALLED UNDER THIS SCENARIO SHALL BE DOUBLE SIDED.

   THE COST OF THESE MOUNTING BRACKETS SHALL BE CONSIDERED INCIDENTAL TO THE RESPECTIVE SIGN ITEMS T15.0100 – DIRECTIONAL REGULATORY AND WARNING SIGNS OR T15.1100 – STREET SIGN – OVERHEAD MOUNTED.
4. PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE RIDOT.
5. ALL PROPOSED AND RELOCATED SIGNS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 7' OVER THE SIDEWALK. FOR SIGNS TO BE RELOCATED, IF 7' OF CLEARANCE CANNOT BE ACHIEVED USING THE EXISTING POST, A NEW POST SHALL BE USED. THE COST OF THE NEW POST SHALL BE CONSIDERED INCIDENTAL TO ITEM T15.0200 – REMOVE AND RELOCATE DIRECTIONAL REGULATORY OR WARNING SIGN.
6. ALL SIGN RADII AND BORDERS SHALL BE AS SPECIFIED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AS AMENDED.

Environmental Management
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## GENERAL NOTES - PAVEMENT MARKINGS:

1. ALL PERMANENT PAVEMENT MARKINGS FOR THIS PROJECT SHALL BE EPOXY RESIN. PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE NO SOONER THAN 2 WEEKS BUT NO LONGER THAN 4 WEEKS FROM COMPLETION OF PAVING OPERATIONS.
2. THE LOCATION OF PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) 2009 EDITION, AS AMENDED.
3. WHERE EXISTING PAVEMENT MARKINGS CONFLICT WITH PROPOSED PAVEMENT MARKINGS, EXISTING MARKINGS SHALL BE REMOVED BY METHOD APPROVED BY THE RIDOT.
4. LIMITS OF PROPOSED PAVEMENT MARKINGS SHALL MEET EXISTING STRIPING, UNLESS OTHERWISE NOTED.
5. CONTRACTOR SHALL VERIFY AND RECORD PAVEMENT MARKING LOCATIONS PRIOR TO ANY PAVEMENT REMOVAL. MARKINGS SHALL BE REPLACED IN ORIGINAL LOCATIONS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. FAST–DRYING WATERBORNE TRAFFIC MARKINGS SHALL BE USED ON MICRO MILLED SURFACES AND INTERMEDIATE PAVEMENT LAYERS WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.
7. TEMPORARY WATERBORNE PAVEMENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE COURSE LAYER WHICH WILL BE OPENED TO TRAFFIC AT THE COMPLETION OF EACH DAY'S PAVING OPERATION.

## GENERAL NOTES - SIDEWALK & CURBING

(1)
1. REMOVE AND DISPOSE SIDEWALK, REMOVE AND DISPOSE CONCRETE MEDIAN, REMOVE AND DISPOSE BITUMINOUS MEDIAN, AND REMOVE AND DISPOSE CONCRETE SHOULDER SHALL ALL BE PAID FOR UNDER ITEM 201.0403 REMOVE AND DISPOSE SIDEWALK.

2. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO BUILDINGS, WALLS, FENCES ABUTTING SIDEWALKS AND DRIVEWAYS DESIGNATED FOR REPLACEMENT. WHERE REQUIRED, NEW SIDEWALKS AND DRIVEWAYS SHALL MEET SAID BUILDINGS, WALLS, AND FENCES. PRIOR TO REMOVAL, A SAWCUT SHALL BE PROVIDED IN ALL SIDEWALK AND DRIVEWAY TO BE REMOVED, A DISTANCE TO BE DETERMINED BY THE ENGINEER (6 INCHES MINIMUM) OF SIDEWALK OR DRIVEWAY SHALL BE REMOVED WITH CAUTION UNDER THE ENGINEER'S SUPERVISION. THERE WILL BE NO ADDITIONAL PAYMENT FOR LABOR OR EQUIPMENT NECESSARY TO MEET THIS "REMOVE WITH CAUTION " REQUIREMENT.
3. GRANITE TRUCK APRON STONE SHALL BE PLACE PER RIDOT STD. DETAIL 7.7.0 WITH CONCRETE FOUNDATION. CONCRETE FOUNDATION SHALL BE PAID FOR UNDER ITEM 601.0200 CLASS XX PORTLAND CEMENT CONCRETE. ADDITIONAL PAYMENT WILL NOT BE MADE FOR WWF REINFORCEMENT, REINFORCEMENT SHALL BE CONSIDERED INCIDENTAL TO ITEM 601.0200.

## DRAINAGE AND EROSION CONTROL NOTES

(4)
1. COMPOST FILTER SOCK SHALL BE USED FOR PERIMETER EROSION CONTROLS AND SILT CURTAIN SHALL BE USED FOR TURBIDITY CONTROL AS NEEDED TO ADHERE TO THE SWPPP AND RIDEM REGULATIONS. CONTRACTOR SHALL PLACE COMPOST FILTER SOCK OR SILT CURTAIN AS NEEDED OR AS DIRECTED BY THE ENGINEER DEPENDENT ON THE CONSTRUCTION PHASING.

2. ALL RIM ELEVATIONS SHOWN ON THE PLANS ARE SURFACE ELEVATION, RIMS SHALL BE CONSTRUCTED 0.1' BELOW THE RIM ELEVATION INDICATED ON THE PLANS. (THIS NOTE CLARIFIES DRAINAGE AND EROSIONS CONTROL NOTE 11 ON STANDARD NOTES–1).

(3)
3. ALL RCP SHALL BE CLASS V UNLESS OTHERWISE NOTED ON THE PLANS.

## TRAFFIC SIGNAL AND ITS PLANS SYMBOL LEGEND

- EXISTING CONTROLLER CABINET
- PROPOSED CONTROLLER CABINET
- EXISTING HANDHOLE
- PROPOSED HANDHOLE
- EXISTING TRAFFIC SIGNAL HEAD
- PROPOSED TRAFFIC SIGNAL HEAD
- EXISTING PEDESTRIAN SIGNAL HEAD
- PROPOSED PEDESTRIAN SIGNAL HEAD
- EXISTING PEDESTRIAN PUSH BUTTON
- PROPOSED PEDESTRIAN PUSH BUTTON
- EXISTING CONDUIT
- PROPOSED CONDUIT
- EXISTING SPAN OR PEDESTAL POLE
- PROPOSED CCTV CAMERA AND POLE
- PROPOSED CCTV CAMERA FIELD OF VIEW
- EXISTING MAST ARM POLE
- PROPOSED MAST ARM POLE
- EXISTING LOOP DETECTOR
- PROPOSED LOOP DETECTOR
- EXISTING OVERHEAD SIGN
- PROPOSED OVERHEAD SIGN
- PROPOSED OPTICAL DETECTOR CONFIRMATION BEACON
- EXISTING OPTICAL DETECTOR
- PROPOSED OPTICAL DETECTOR
- PROPOSED THERMAL IP VIDEO DETECTOR (1)
- EXISTING VIDEO DETECTION ZONE
- PROPOSED VIDEO DETECTION ZONE
- PROPOSED SPAN OR PEDESTAL POLE
- PROPOSED ELECTRICAL PEDESTAL AND FOUNDATION
- PROPOSED DYNAMIC MESSAGE SIGN

## GENERAL NOTES - EMERGENCY VEHICLE PRE-EMPTION OPERATION:

(1)
1. EMERGENCY VEHICLE PRE–EMPTION SIGNALS SHALL BE OPTICALLY TRANSMITTED BY OPTICAL EMITTERS MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT EACH INTERSECTION.
2. IF DIRECTIONAL PRE–EMPTION IS CALLED FOR ON THE PLANS, PRE–EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH DESCENDING PRIORITIES IN NUMERICAL ORDER BASED ON OPTICAL DETECTOR NUMBERS (D1 = HIGHEST PRIORITY).
3. IN RESPONSE TO A PRE–EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD IN EMERGENCY PRE–EMPTION PHASE (MAIN LINE GREEN) FOR A MINIMUM OF TEN (10) SECONDS OR UNTIL PRE–EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE–EMPTION CLEARANCE (YELLOW AND RED). THE CONTROLLER SHALL NEXT SERVICE OTHER EMERGENCY VEHICLE PRE–EMPTION PHASE(S) IF AVAILABLE AND IF NECESSARY, THEN TIME PHASE PRE–EMPTION CLEARANCE AND RESUME NORMAL OPERATION.
4. MINIMUM GREEN, NORMAL VEHICLE CLEARANCE, AND PEDESTRIAN CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE–EMPTION DEMAND.
5. PRE–EMPTION STROBE SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PRE–EMPTION GREEN IS ON.
6. EMERGENCY VEHICLE PRE–EMPTION SHALL OVERRIDE COORDINATION.

## GENERAL NOTES - UTILITIES:

(4)
1. ALL EXISTING ASBESTOS CEMENT PIPES OR DUCTS (TRANSITE) TO BE REMOVED SHALL BE PAID FOR UNDER ITEM 201.0440 REMOVE AND DISPOSE ASBESTOS CEMENT PIPE/DUCT (TRANSITE) ALL TYPES AND SIZES.
2. ANY CURB STOPS LOCATED IN THE FIELD NOT SHOWN ON THE EXISTING SURVEY SHALL BE ADJUSTED TO GRADE AND PAID FOR UNDER ITEM 713.8268 ADJUST CURB STOP BOX TO GRADE. IF IN CONFLICT WITH PROPOSED CURBING OR DRAINAGE STRUCTURE, CURB STOPS SHALL BE RELOCATED AND PAID FOR UNDER ITEM 713.8267 REMOVE AND RELOCATE CURB STOP BOX.

## GENERAL NOTES - EARTHWORK:

1. THE CONTRACTOR SHALL EXCAVATE DISTURBED AREAS TO ALLOW FOR PROPOSED ENGINEERED CAP TO BE PLACED. FROM THE RAMP THE PROPOSED ENGINEERED CAP SHALL BE AS FOLLOWS:
   - TWO (2) FEET OF CLEAN, IMPORTED FILL (SUCH AS IN THE LANDSCAPED AREAS)
   - 12 INCHES OF CLEAN, IMPORTED FILL UNDERLAIN WITH GEOTEXTILE FABRIC OR BIAXIAL GRID REINFORCEMENT OR 18 INCHES OF CERTIFIED CLEAN BIOREMEDIATION SOIL OR CERTIFIED CLEAN IMPORTED FILL (SAND) SEED WITH GRASS OR PLANTED VEGETATION.

NOTE PER DEM:

Proper erosion and sedimentation controls must be installed at all Limit of Disturbance (LOD) lines within 50 feet upgradient of wetlands (the site plan depicts these controls only at the Limit of Grading (LOR) lines).

## JOB SPECIFIC LINE LEGEND:

- COMPOST FILTER SOCK

## TYPICAL SIGN DESIGNATION SYMBOL

- MUTCD SIGN DESIGNATION NUMBER (SIZE)
- SIGN MOUNTING:
  - 24.2.0 = R.I. STD. 24.2.0
  - 24.2.0R = R.I. STD. 24.2.0 WITH REFLECTIVE SIGN POST (SEE DETAIL)
  - 24.6.0 = R.I. STD. 24.6.0
  - (2) 24.6.4 = R.I. STD. 24.6.4
  - 30.1.1 = R.I. STD. 30.1.1
  - EXIST. = MOUNTED ON EXISTING SIGN STRUCTURE
  - MAST ARM = MOUNTED OVERHEAD ON MAST ARM
  - (1) POLE = ATTACHED TO TRAFFIC SIGNAL POLE
  - SPAN = MOUNTED OVERHEAD ON SPAN SIGN STRUCTURE

ADDENDUM NO. 8

Martin D. Wiemert

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 5
OF:

SCALE: NOT TO SCALE

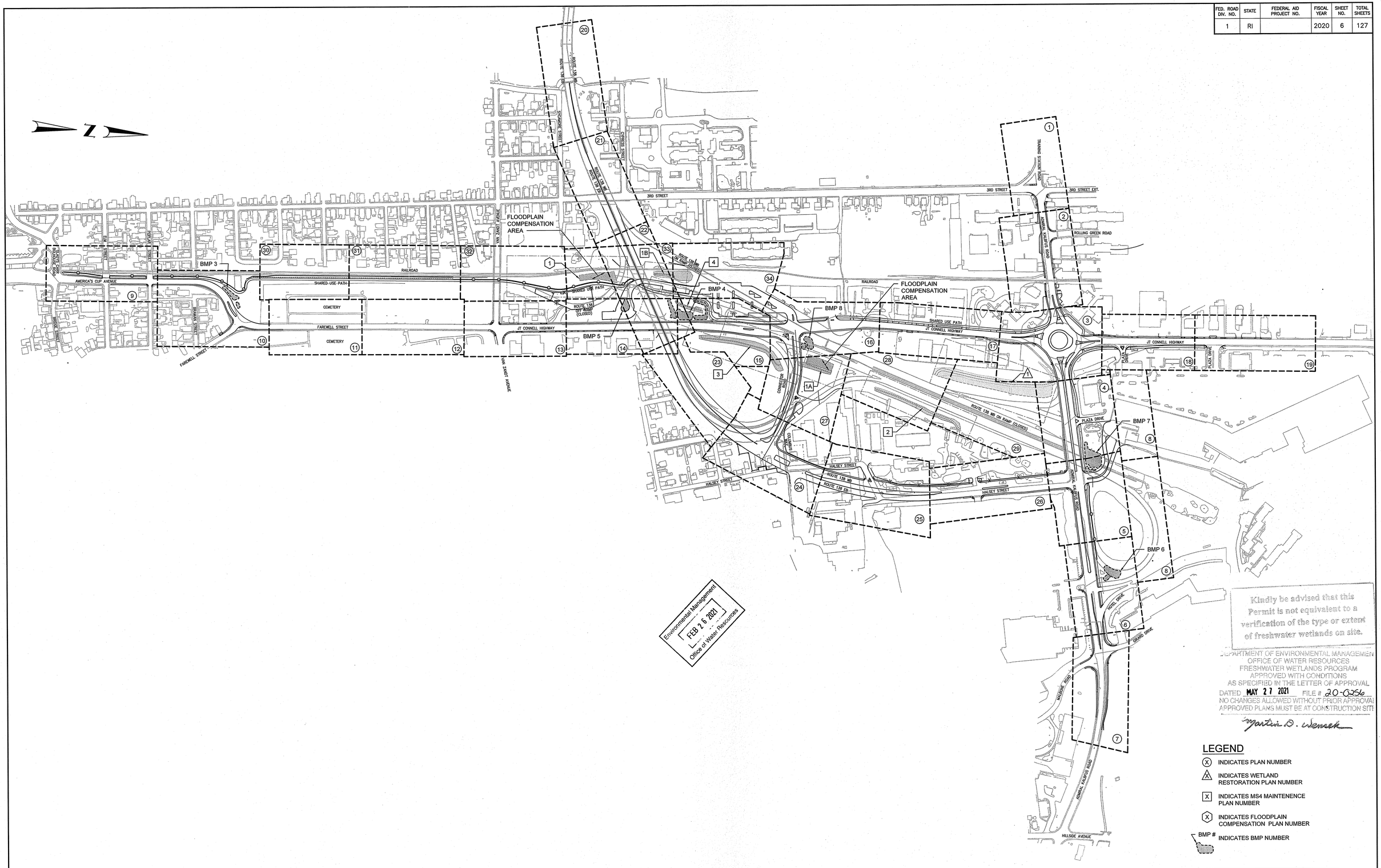
| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| 1 | 12/23/20 | VHB | 4 | 2/2/21 | VHB |
| 2 | 1/8/21 | VHB | 5 | 2/4/21 | VHB |
| 3 | 1/19/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# JOB SPECIFIC PLAN SYMBOLS, LEGEND & NOTES

0050B_V1_005_JSNOTSYM_ADD07

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 6 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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Martin D. Wencek

## LEGEND

- (X) INDICATES PLAN NUMBER
- (X) INDICATES WETLAND RESTORATION PLAN NUMBER
- [X] INDICATES MS4 MAINTENENCE PLAN NUMBER
- (X) INDICATES FLOODPLAIN COMPENSATION PLAN NUMBER
- BMP # INDICATES BMP NUMBER


vhb
1 Cedar Street
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Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 6
OF:

SCALE: 1"=220'
220 0 220 440
SCALE IN FEET

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |
| | | | | | |
| | | | | | |

# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

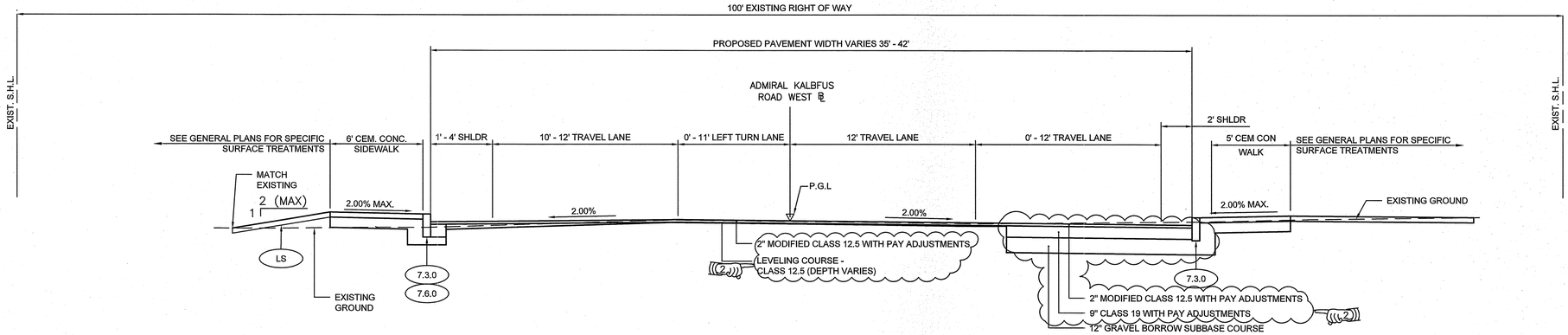
NEWPORT RHODE ISLAND

## KEY PLAN

0050B_V1_006_KEY-PERMIT

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 7 | 127 |




## STATION 201+60 TO STATION 205+50
## ADMIRAL KALBFUS WEST
SCALE: 1"=4'

NOTE

CROSS SLOPE SHALL TRANSITION TO MEET RAIL GRADE STARTING AT STATION 204+75 TO 205+25 AND TRANSITION BACK TO NORMAL CROWN FROM STATION 205+75 TO 206+25.

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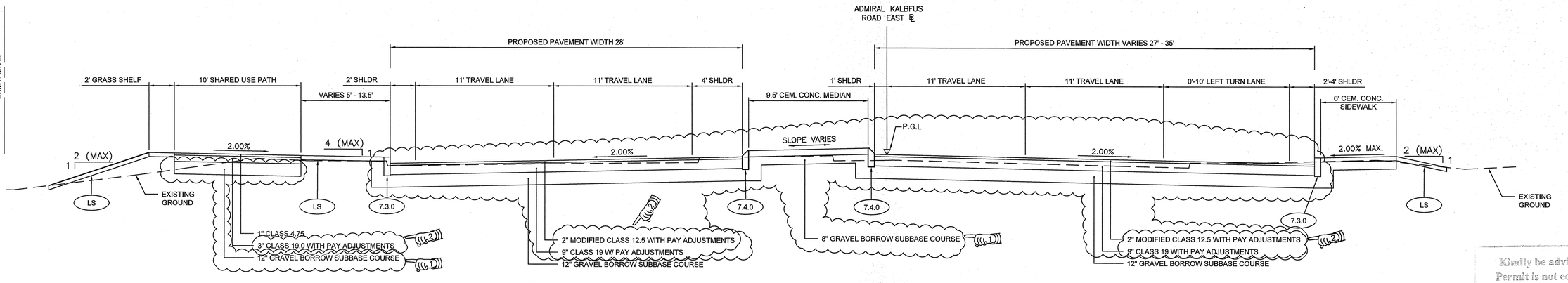
Office of Water Resources




## STATION 211+50 TO STATION 216+50
## ADMIRAL KALBFUS EAST
SCALE: 1"=4'

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 8


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 7
OF:

SCALE: 1"=4'

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/4/21 | VHB | | | |

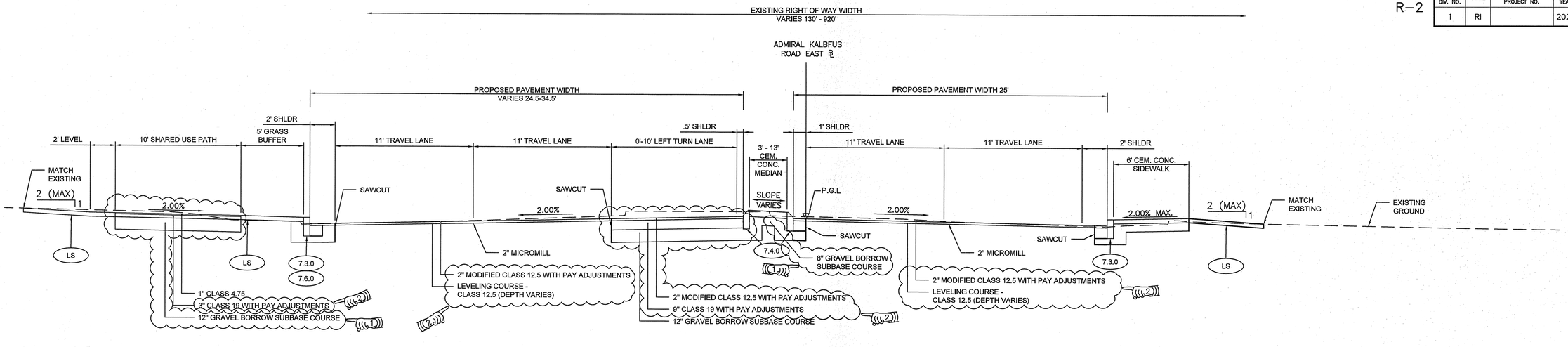
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

TYPICAL SECTION NO. 1

0050B_V1_007_TYPICAL001_ADD02

R-2

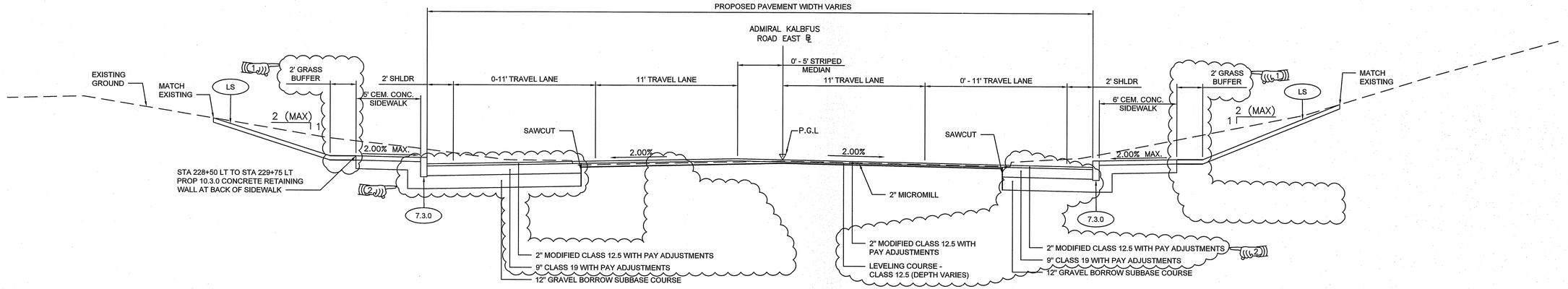
| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 8 | 127 |




## STATION 219+25 TO STATION 224+50
## ADMIRAL KALBFUS EAST

SCALE: 1"=4'

Environmental Management
FEB 2 6 2021
Office of Water Resources




## STATION 228+00 TO STATION 229+50
## ADMIRAL KALBFUS EAST

SCALE: 1"=4'

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OFFICE OF WATER RESOURCES
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DATED MAY 27 2021 FILE # 20-0256
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 8

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 8
OF:

SCALE: 1"=4'

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/4/21 | VHB | | | |

# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

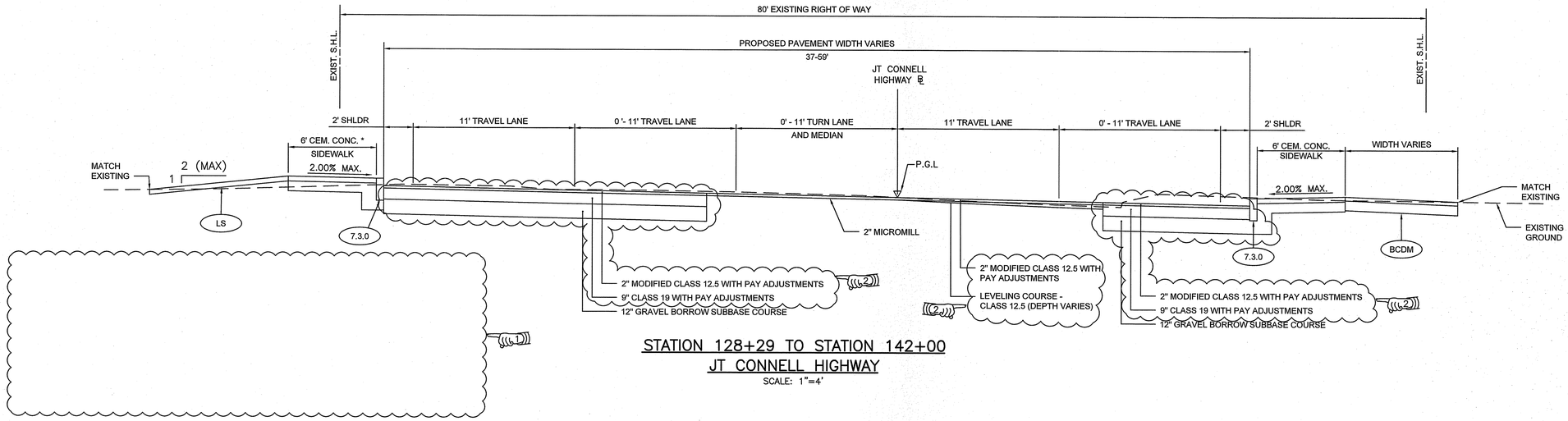
NEWPORT RHODE ISLAND

## TYPICAL SECTION NO. 2

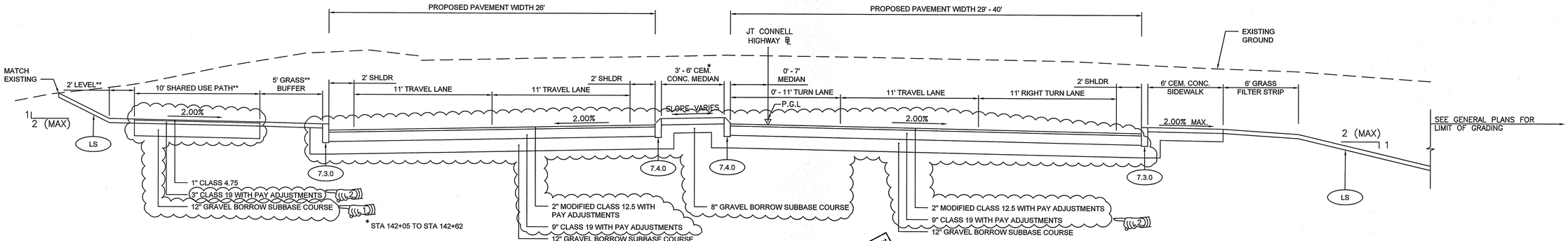
0050B_V1_008_TYPICAL002_ADD02

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 9 | 127 |

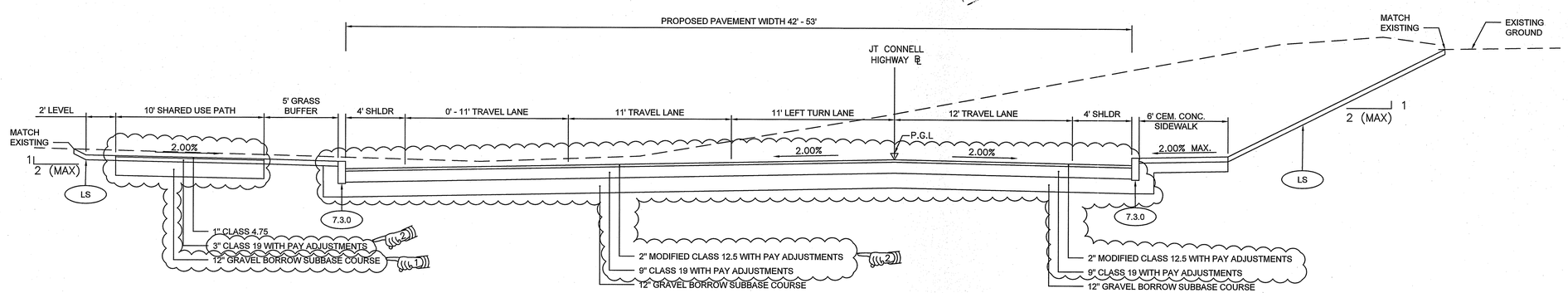



## STATION 128+29 TO STATION 142+00
## JT CONNELL HIGHWAY
SCALE: 1"=4'




## STATION 142+00 TO STATION 144+50
## JT CONNELL HIGHWAY
SCALE: 1"=4'

Environmental Management
FEB 26 2021
Office of Water Resources




## STATION 145+00 TO STATION 148+50
## JT CONNELL HIGHWAY
SCALE: 1"=4'

ADDENDUM NO. 8

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0056
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT JOB SITE AT ALL TIMES

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 9
OF:

SCALE: 1"=4'

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/4/21 | VHB | | | |

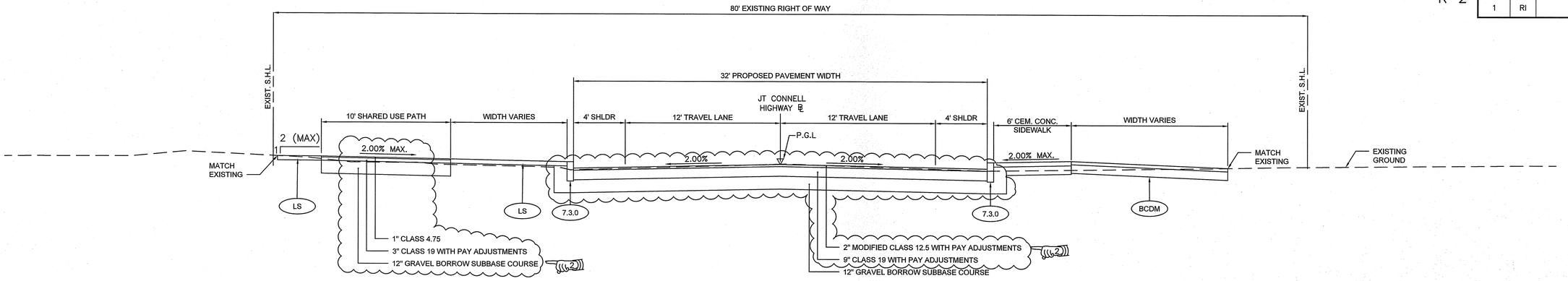
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# TYPICAL SECTION NO. 3

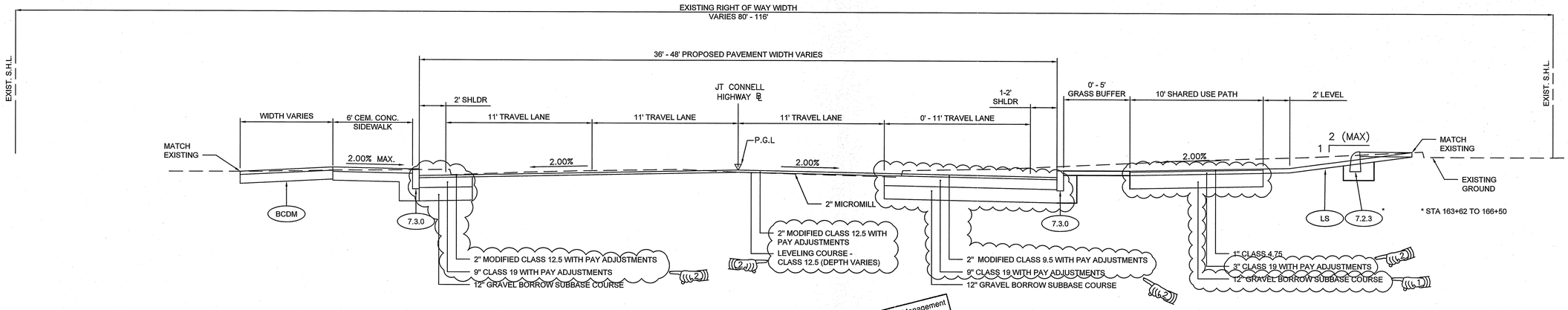
0050B_V1_009_TYPICAL003_ADD02

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 10 | 127 |

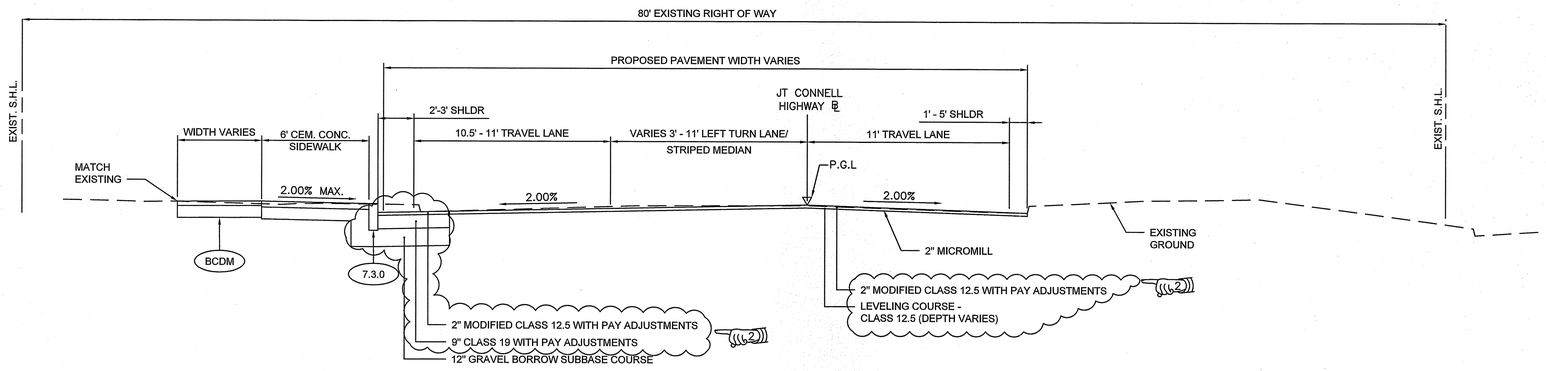



STATION 148+50 TO STATION 156+50
JT CONNELL HIGHWAY
SCALE: 1"=4'




STATION 162+75 TO STATION 167+63
JT CONNELL HWY NORTH
SCALE: 1"=4'

Environmental Management
FEB 26 2021
Office of Water Resources




STATION 167+63 TO STATION 170+42
JT CONNELL HWY NORTH
SCALE: 1"=4'

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DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPPOVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0356
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 8

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 10
OF:

SCALE: 1"=4'

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/4/21 | VHB | | | |

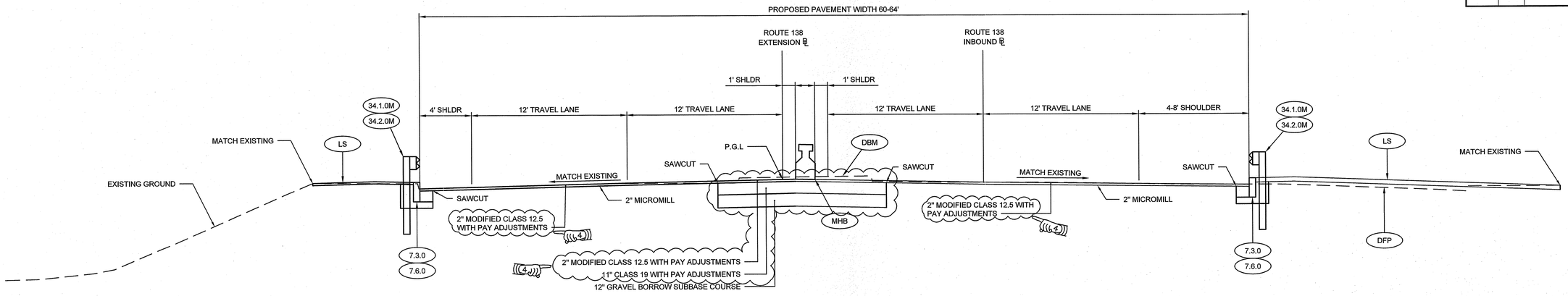
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# TYPICAL SECTION NO. 4

0050B_V1_010_TYPICAL004_ADD02

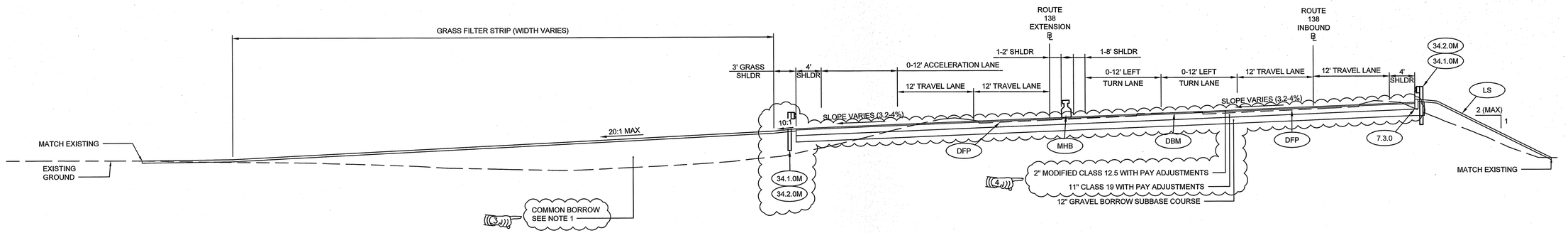
R-4

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 11 | 127 |




## STATION 301+81 TO STATION 315+35
## ROUTE 138 EXTENSION

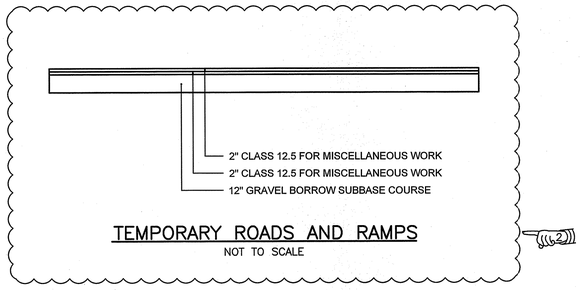
SCALE: 1"=4'




## STATION 316+56 TO STATION 329+29
## ROUTE 138 EXTENSION

SCALE: 1"=8'

Environmental Management
FEB 26 2021
Office of Water Resources




## TEMPORARY ROADS AND RAMPS

NOT TO SCALE

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

### NOTE

1. EXCESS EXCAVATED MATERIALS SHALL BE USED IN LIEU OF COMMON BORROW BEFORE ANY NEW MATERIALS ARE IMPORTED TO THE SITE AS CLEAN FILL. ALL GRASS AND LANDSCAPED AREAS SHALL PROVIDE THE ENGINEERED CAP AND OTHER REQUIREMENTS IN ACCORDANCE WITH THE REMEDIAL ACTION WORK PLAN (RAWP).

ADDENDUM NO. 8


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 11
OF:

SCALE: AS SHOWN

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | 4 | 2/4/21 | VHB |
| 2 | 1/22/21 | VHB | | | |
| 3 | 2/2/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE

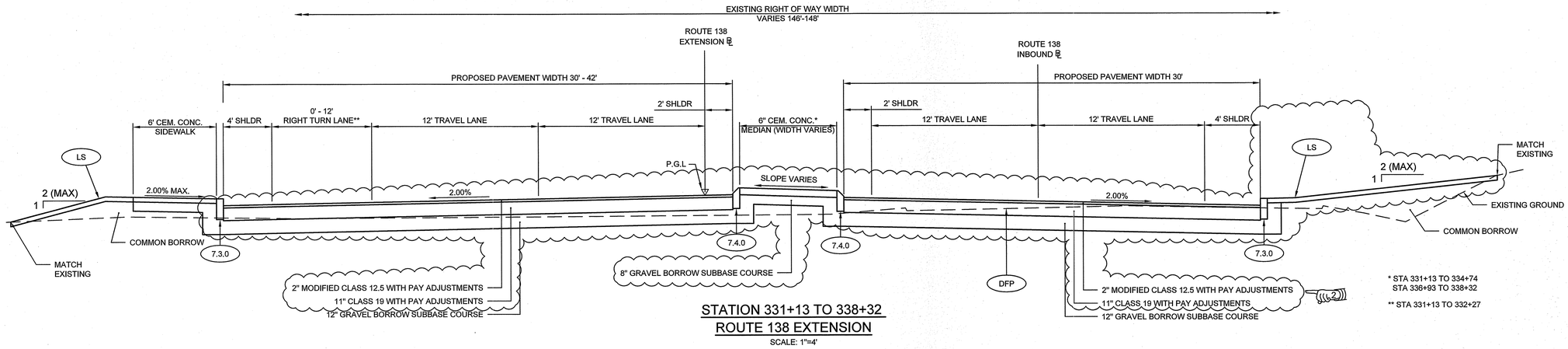
NEWPORT RHODE ISLAND

# TYPICAL SECTION NO. 5

0050B_V1_011_TYPICAL005_ADD07

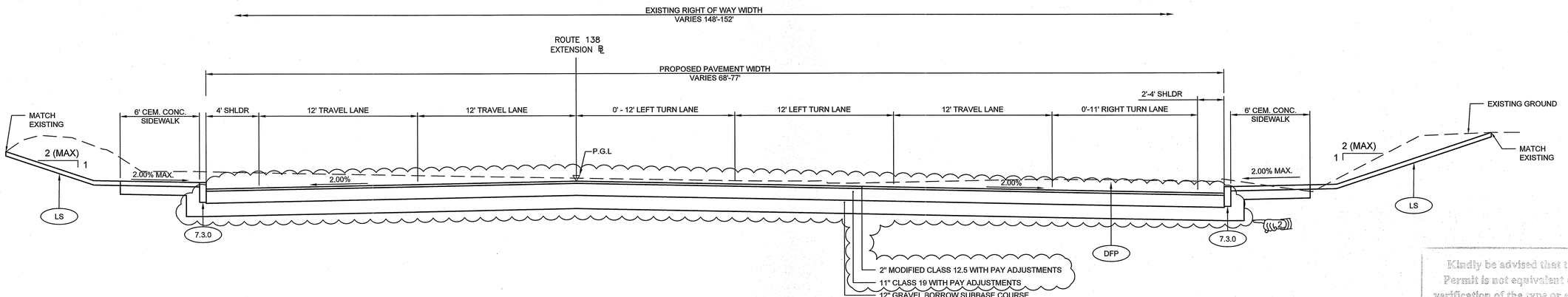
R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 12 | 127 |




STATION 331+13 TO 338+32
ROUTE 138 EXTENSION
SCALE: 1"=4'

Environmental Management
FEB 26 2021
Office of Water Resources




STATION 338+32 TO 341+43
ROUTE 138 EXTENSION
SCALE: 1"=4'

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STATE OF RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0356
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 8

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 12
OF:

SCALE: AS SHOWN

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/4/21 | VHB | | | |

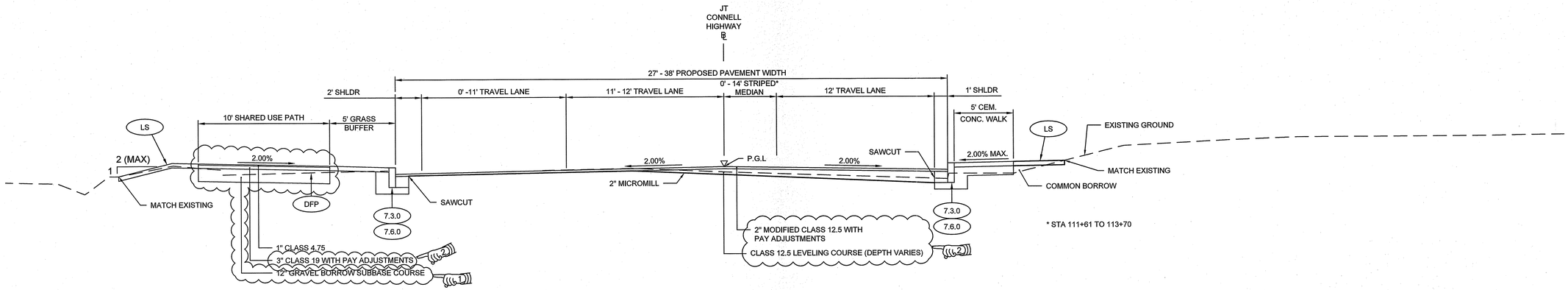
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

TYPICAL SECTION NO. 6

0050B_V1_012_TYPICAL006_ADD02

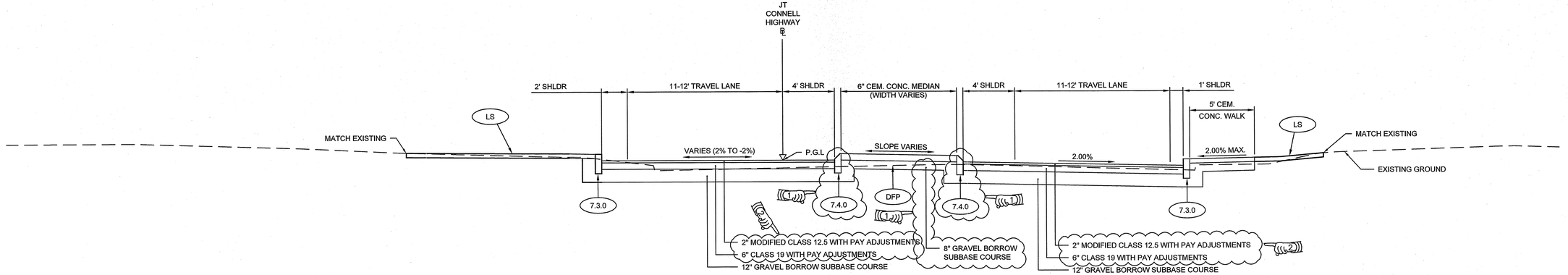
R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 13 | 127 |




## STATION 104+23 TO 113+70
## JT CONNELL HIGHWAY

SCALE: 1"=4'




## STATION 113+70 TO 114+62
## JT CONNELL HIGHWAY

SCALE: 1"=4'

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 8


vhb
1 Cedar Street
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 13
OF:

SCALE: AS SHOWN

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/4/21 | VHB | | | |

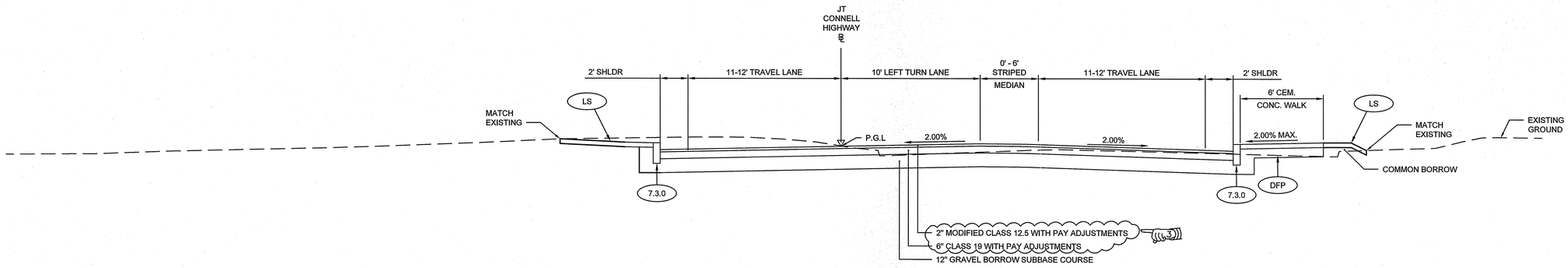
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# TYPICAL SECTION NO. 7

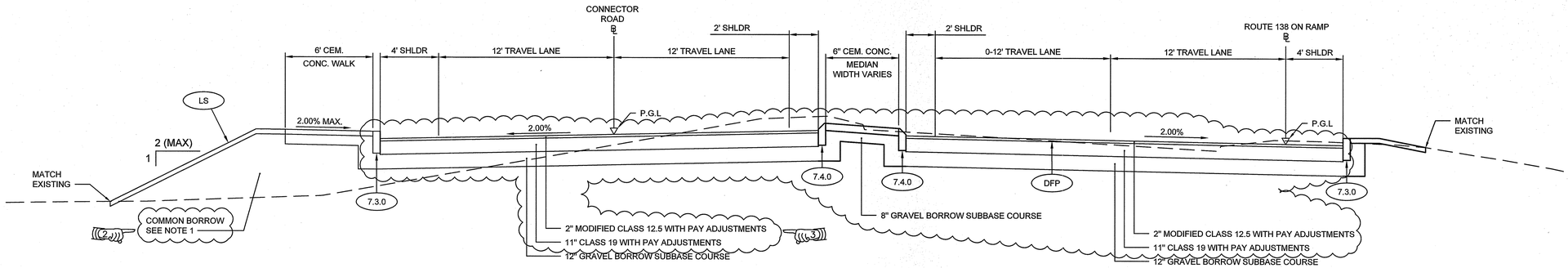
0050B_V1_013_TYPICAL007_ADD02

R-3

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 14 | 127 |




STATION 115+50 TO 117+25
JT CONNELL HIGHWAY
SCALE: 1"=4'




STATION 400+00 TO 406+50
CONNECTOR ROAD
SCALE: 1"=4'

STATION 544+50 TO 550+00
ROUTE 138 ON RAMP
SCALE: 1"=4'

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

**NOTE**

1. EXCESS EXCAVATED MATERIALS SHALL BE USED IN LIEU OF COMMON BORROW BEFORE ANY NEW MATERIALS ARE IMPORTED TO THE SITE AS CLEAN FILL. ALL GRASS AND LANDSCAPED AREAS SHALL PROVIDE THE ENGINEERED CAP AND OTHER REQUIREMENTS IN ACCORDANCE WITH THE REMEDIAL ACTION WORK PLAN (RAWP).

ADDENDUM NO. 8


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 14
OF:

SCALE: AS SHOWN

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |
| 3 | 2/4/21 | VHB | | | |

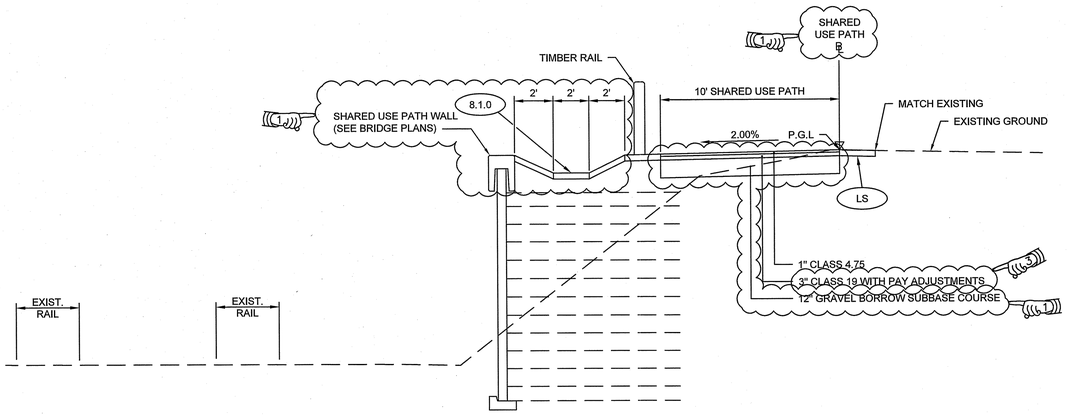
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# TYPICAL SECTION NO. 8

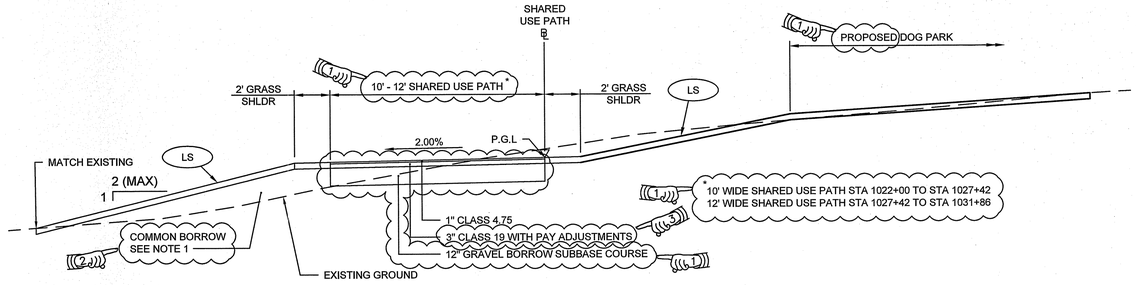
0050B_V1_014_TYPICAL008_ADD07

R-3

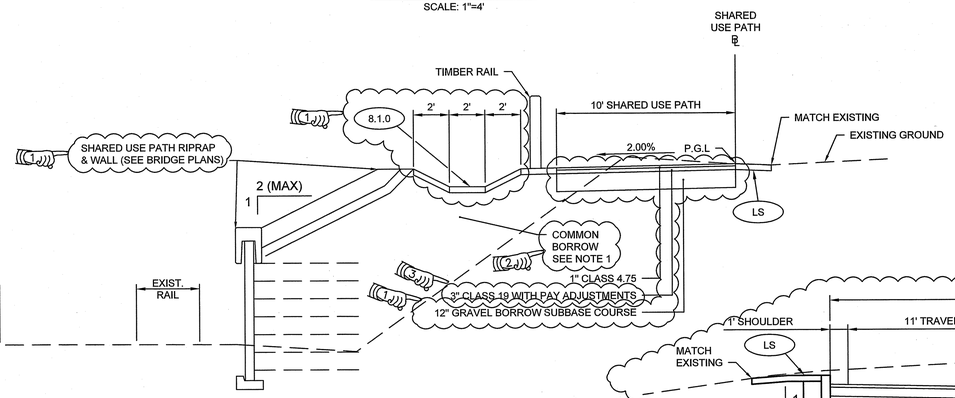
| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 15 | 127 |



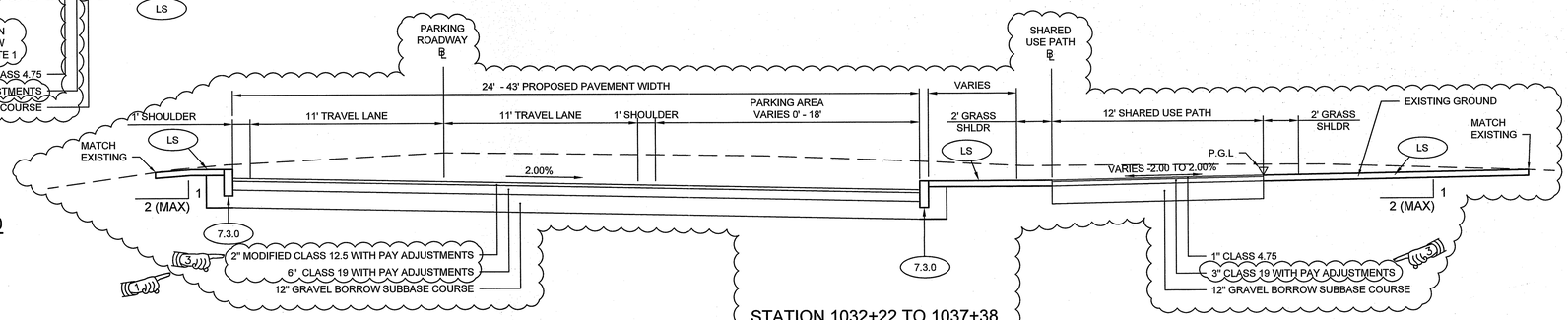

STATION 1011+24 TO 1011+95
SHARED USE PATH
SCALE: 1"=4'



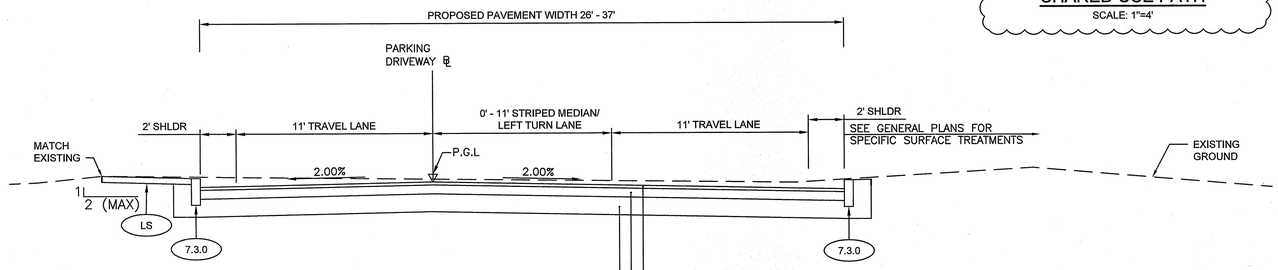

STATION 1022+00 TO 1031+86
SHARED USE PATH
SCALE: 1"=4'




STATION 1011+95 TO 1022+00
SHARED USE PATH
SCALE: 1"=4'




STATION 1032+22 TO 1037+38
SHARED USE PATH
SCALE: 1"=4'




STATION 3010+60 TO STATION 3013+12
PARKING DRIVEWAY
SCALE: 1"=4'

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**NOTE**

1. EXCESS EXCAVATED MATERIALS SHALL BE USED IN LIEU OF COMMON BORROW BEFORE ANY NEW MATERIALS ARE IMPORTED TO THE SITE AS CLEAN FILL. ALL GRASS AND LANDSCAPED AREAS SHALL PROVIDE THE ENGINEERED CAP AND OTHER REQUIREMENTS IN ACCORDANCE WITH THE REMEDIAL ACTION WORK PLAN (RAWP).

Environmental Assessment
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 8


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 15
OF:

SCALE: AS SHOWN

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |
| 3 | 2/4/21 | VHB | | | |

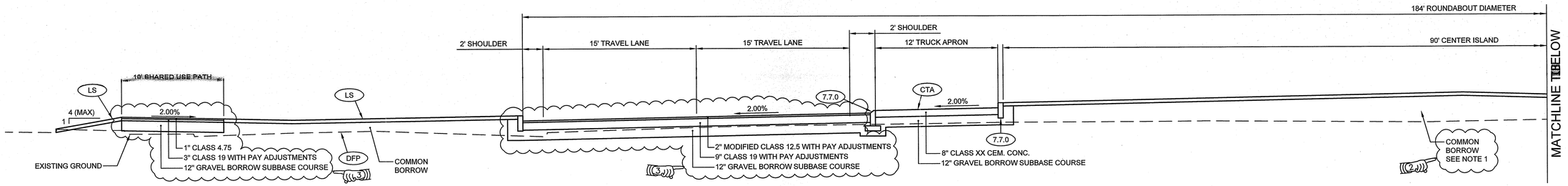
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# TYPICAL SECTION NO. 9

0050B_V1_015_TYPICAL009_ADD07

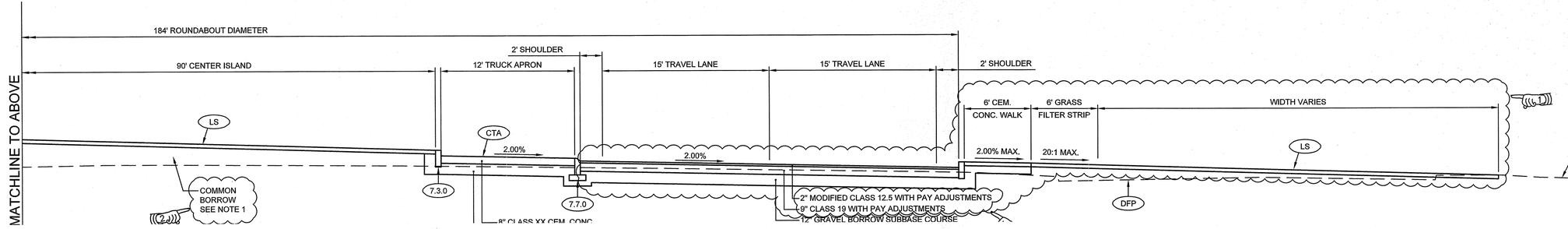
R-3

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 16 | 127 |




## ROUNDABOUT

SCALE: 1"=5'



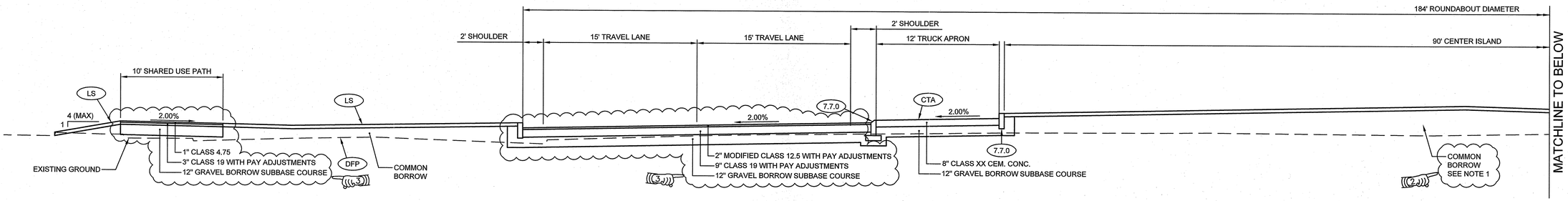

Environmental Management
FEB 2 6 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

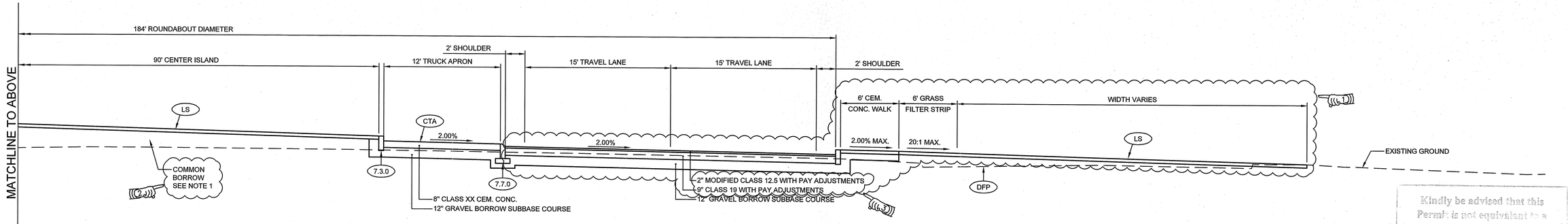
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION

R-3

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 16 | 127 |




ROUNDABOUT
SCALE: 1"=5'




ROUNDABOUT
SCALE: 1"=5'

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0356
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

## NOTE

1. EXCESS EXCAVATED MATERIALS SHALL BE USED IN LIEU OF COMMON BORROW BEFORE ANY NEW MATERIALS ARE IMPORTED TO THE SITE AS CLEAN FILL. ALL GRASS AND LANDSCAPED AREAS SHALL PROVIDE THE ENGINEERED CAP AND OTHER REQUIREMENTS IN ACCORDANCE WITH THE REMEDIAL ACTION WORK PLAN (RAWP).

ADDENDUM NO. 8


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 16
OF:

SCALE: AS SHOWN

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |
| 3 | 2/4/21 | VHB | | | |

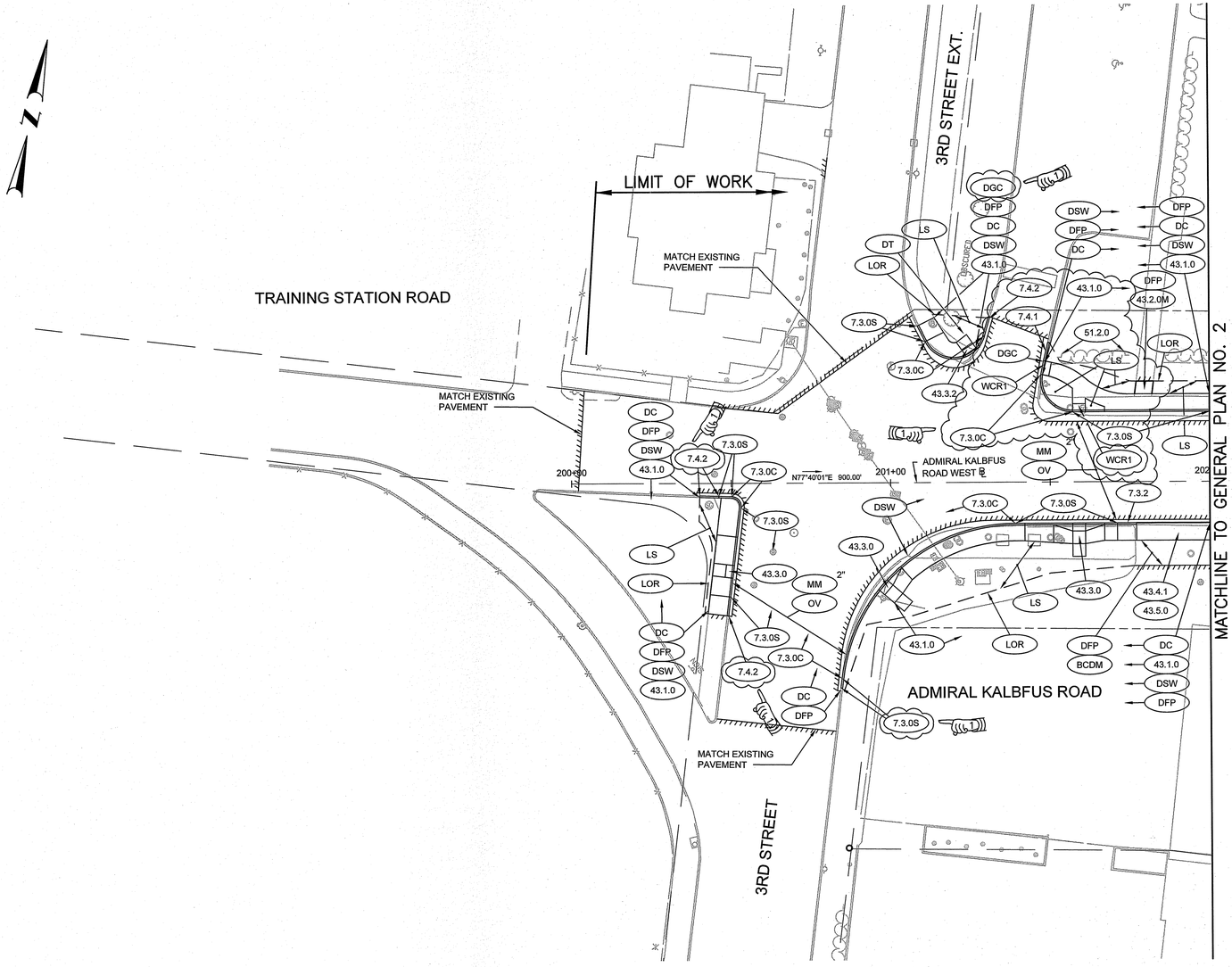
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# TYPICAL SECTION NO. 10

0050B_V1_016_TYPICAL010_ADD07

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 17 | 127 |





Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0356
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


ADDENDUM NO. 2


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 17
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

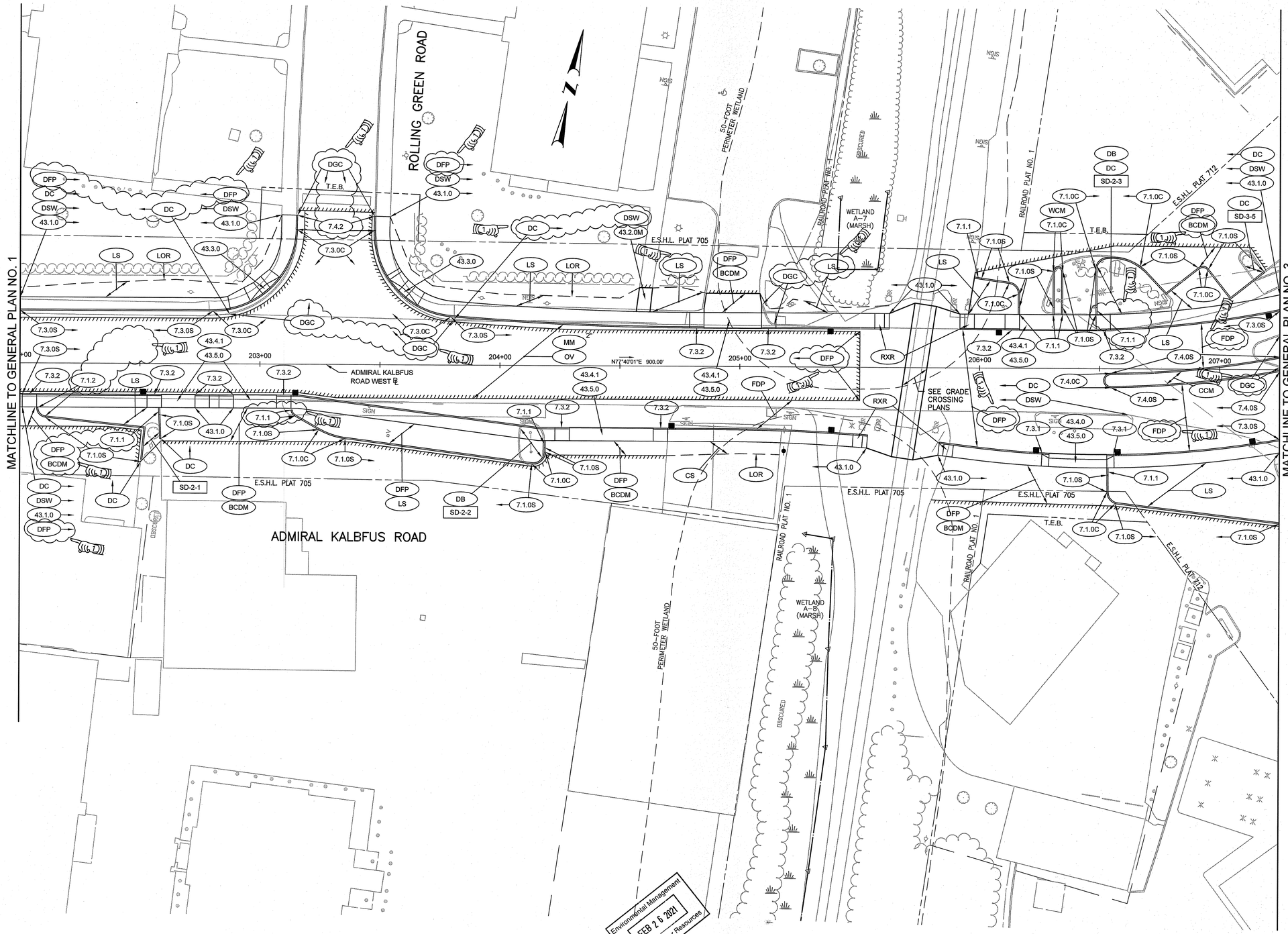
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 1

0050B_V1_017_GENERAL001_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 18 | 127 |




ADDENDUM NO. 2

Environmental Management
FEB 2 6 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATION
AS SPECIFIED APPROVAL
DATED MAY 27 2021 20-0956
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE ON CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 18
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

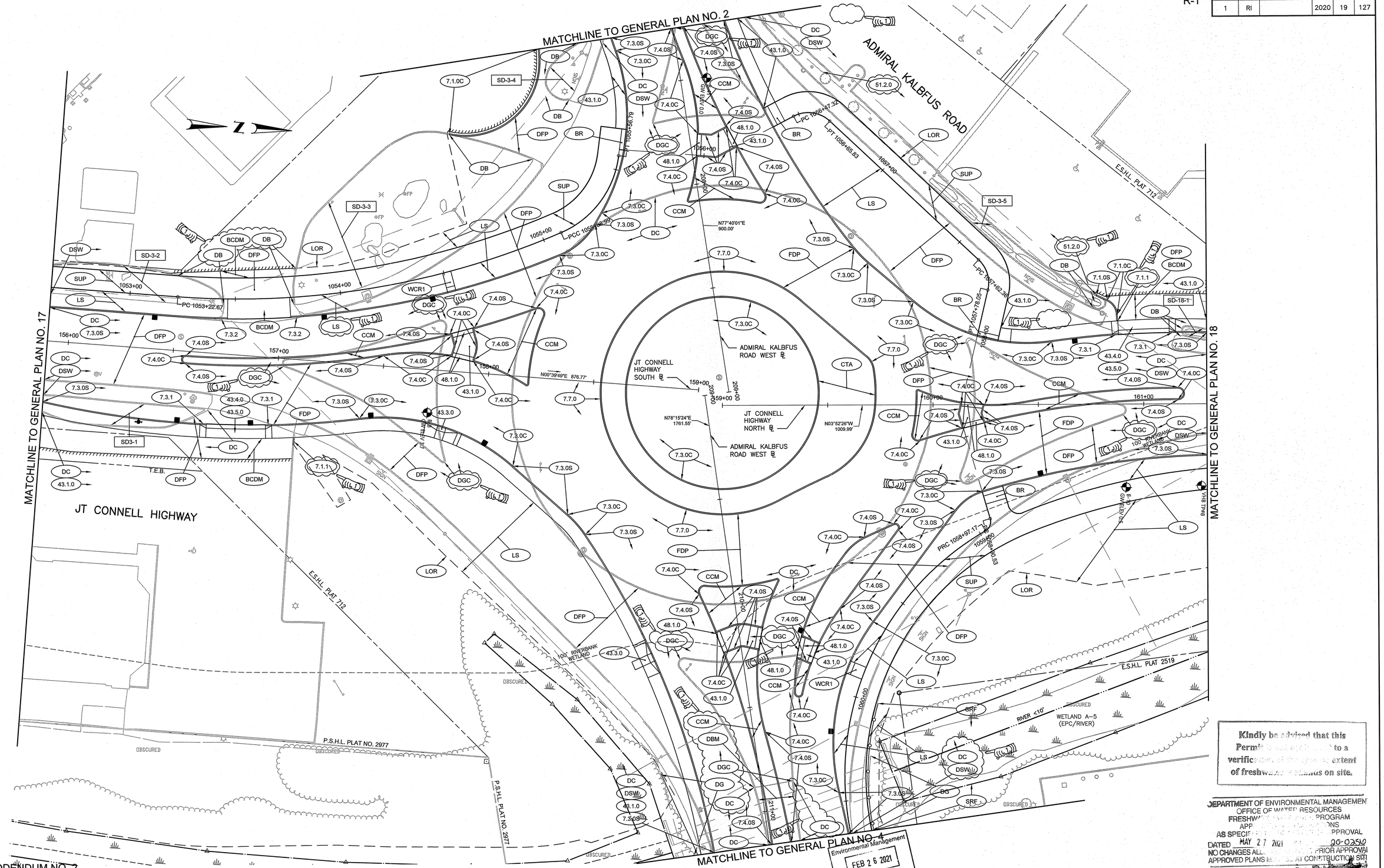
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 2

0050B_V1_018_GENERAL002_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 19 | 127 |




ADDENDUM NO. 2

Kindly be advised that this Permit is subject to a verification of the exact extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATIONS
AS SPECIFIED APPROVAL
DATED MAY 27 2021 20-0250
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 19
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

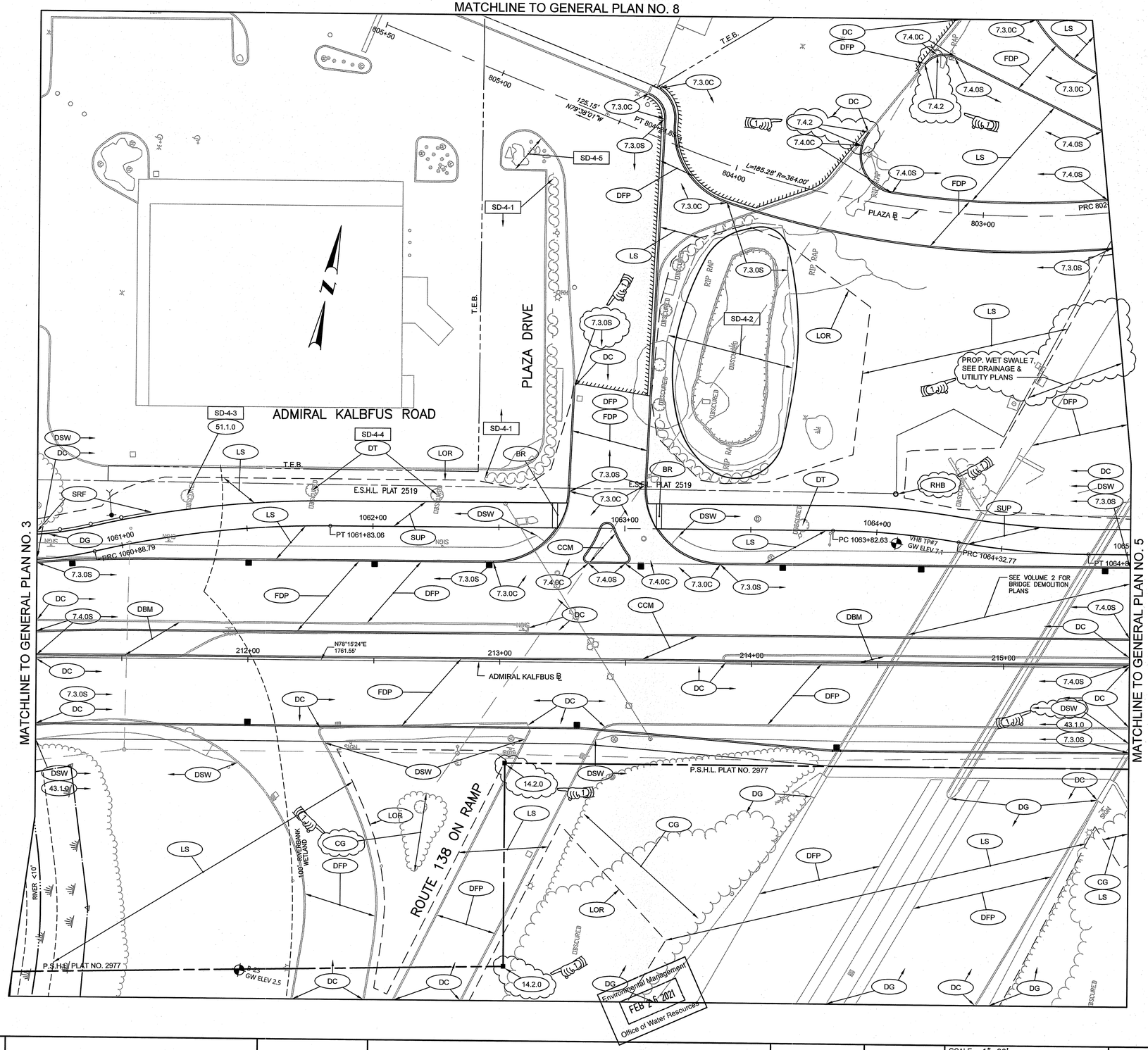
GENERAL PLAN NO. 3

0050B_V1_019_GENERAL003_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 20 | 127 |

MATCHLINE TO GENERAL PLAN NO. 8




MATCHLINE TO GENERAL PLAN NO. 3

MATCHLINE TO GENERAL PLAN NO. 5

ADDENDUM NO. 2

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATIONS
AS SPECIFIED APPROVAL
DATED MAY 27 2021 20-0250
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 20
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 4

0050B_V1_020_GENERAL004_ADD02

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 21 | 127 |

R-1

MATCHLINE TO GENERAL PLAN NO. 8

MATCHLINE TO GENERAL PLAN NO. 4

MATCHLINE TO GENERAL PLAN NO. 6

MATCHLINE TO GENERAL PLAN NO. 26

ADMIRAL KALBFUS ROAD

HALSEY STREET

ROUTE 138 EXTENSION

SHARED USE PATH

PLAZA B

E.S.H.L. PLAT 2519

E.S.H.L. PLAT 1557

P.S.H.L. PLAT NO. 2977

P.S.H.L. PLAT NO. 2975

P.S.H.L. PLAT NO. 2976

50-FOOT PERIMETER WETLAND

WETLAND A–1 (MARSH)

WETLAND A–3 (EPC)

PROP. WET SWALE 7, SEE DRAINAGE & UTILITY PLANS

PC 801+00.86

PRC 1065+96.68

PC 1065+78.39

PRC 1066+68.31

PT 1067+54.70

N11°44'39"W 100.68'

N76°15'24"E 1761.55'

N10°39'11"W 623.57'

ADDENDUM NO. 2

Kindly be advised that this Permit is subject to a verification of the exact extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 21
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 5

0050B_V1_021_GENERAL005_ADD02

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 22 | 127 |

MATCHLINE TO GENERAL PLAN NO. 8

MATCHLINE TO GENERAL PLAN NO. 5

MATCHLINE TO GENERAL PLAN NO. 7

HOTEL DRIVE

PROP. BIORETENTION AREA 6. SEE DRAINAGE & UTILITY PLANS

WETLAND A–1 (MARSH)

50-FOOT PERIMETER WETLAND

WETLAND A–3 (EPC)

ADMIRAL KALBFUS ROAD

ADMIRAL KALBFUS ROAD ℄

S.F.L. PLAT 2515

E.S.H.L. PLAT 1557

T.E.B.

REMOVE AND RESET BUS SHELTER

MATCH INTO PROPOSED WORK BY OTHERS

N78°15'24"E 1761.55'

8-13 GW REV 13.0

1070+00 1071+00 1072+00 1073+00 1074+00

221+00 222+00 223+00 224+00

SD-6-1 SD-6-2 SD-6-3 SD-6-4 SD-6-5

Kindly be advised that this Permit is subject to a verification of the exact extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED AS SPECIFIED IN THE CONDITIONS
DATED MAY 27 2021 PENDING APPROVAL
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE USED FOR CONSTRUCTION SITE
20-0256

Environmental Management FEB 26 2021 Office of Water Resources

ADDENDUM NO. 4

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 22
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/8/21 | VHB | | | |

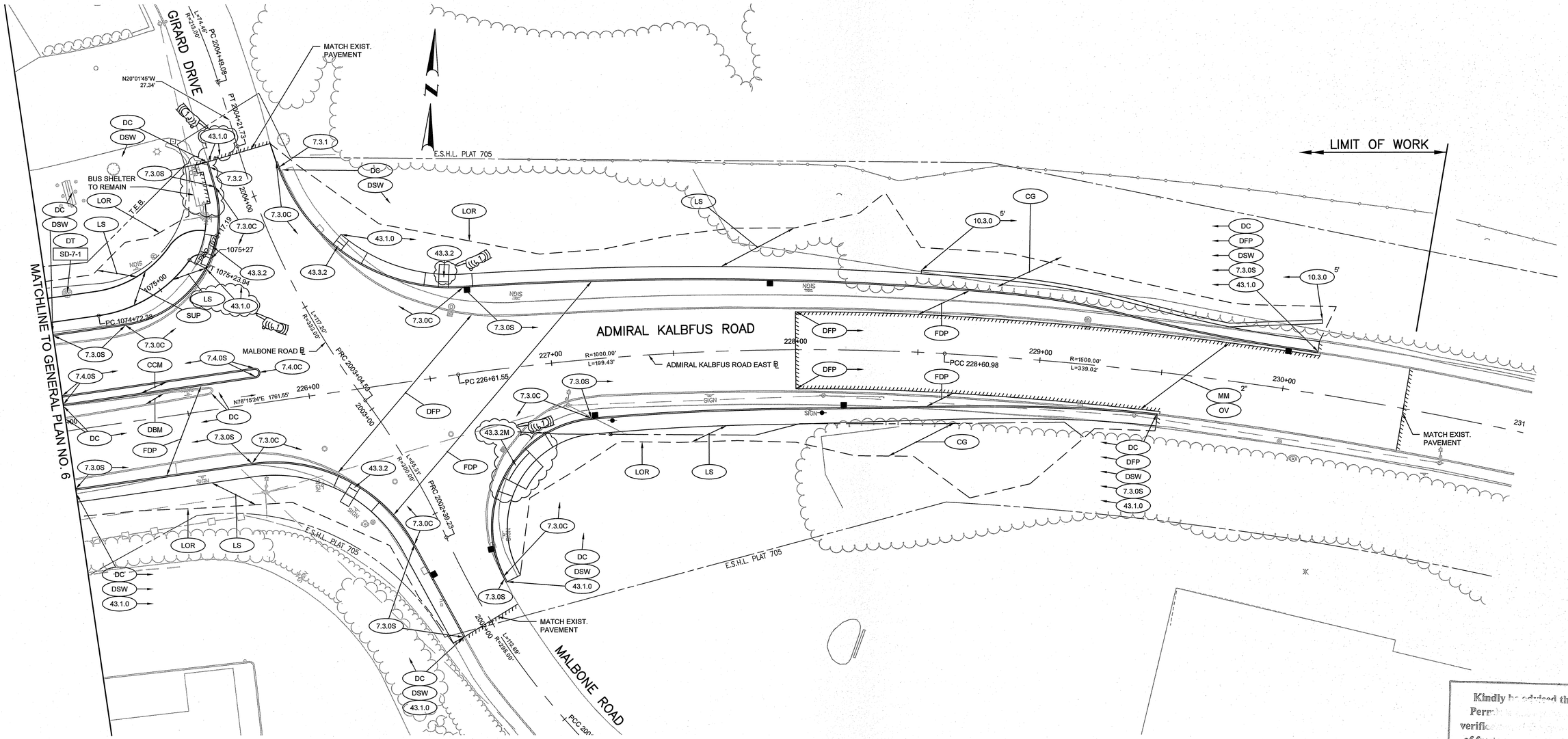
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 6

0050B_V1_022_GENERAL006_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 23 | 127 |




ADDENDUM NO. 2

Kindly be advised that this Permit is subject to a verification to the extent of freshwater wetlands on site.

Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS SPECIFIED
DATED MAY 27 2021
NO CHANGES
APPROVED PLANS

20-0250


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 23
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 7

0050B_V1_023_GENERAL007_ADD02

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 24 | 127 |

R-1

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATION FOR APPROVAL
AS SPECIFIED OR APPROVAL
DATED MAY 27 2021 20-0254
NO CHANGES OR APPROVAL
APPROVED PLANS FOR CONSTRUCTION SITE

MATCHLINE TO GENERAL PLAN NO. 18

RK NEWPORT TOWNE CENTER PLAZA

MATCHLINE TO BELOW

MATCHLINE TO GENERAL PLAN NO. 4

MATCHLINE TO ABOVE

OFF RAMP

MATCHLINE TO GENERAL PLAN NO. 5

MATCHLINE TO GENERAL PLAN NO. 6

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 2

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 24
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

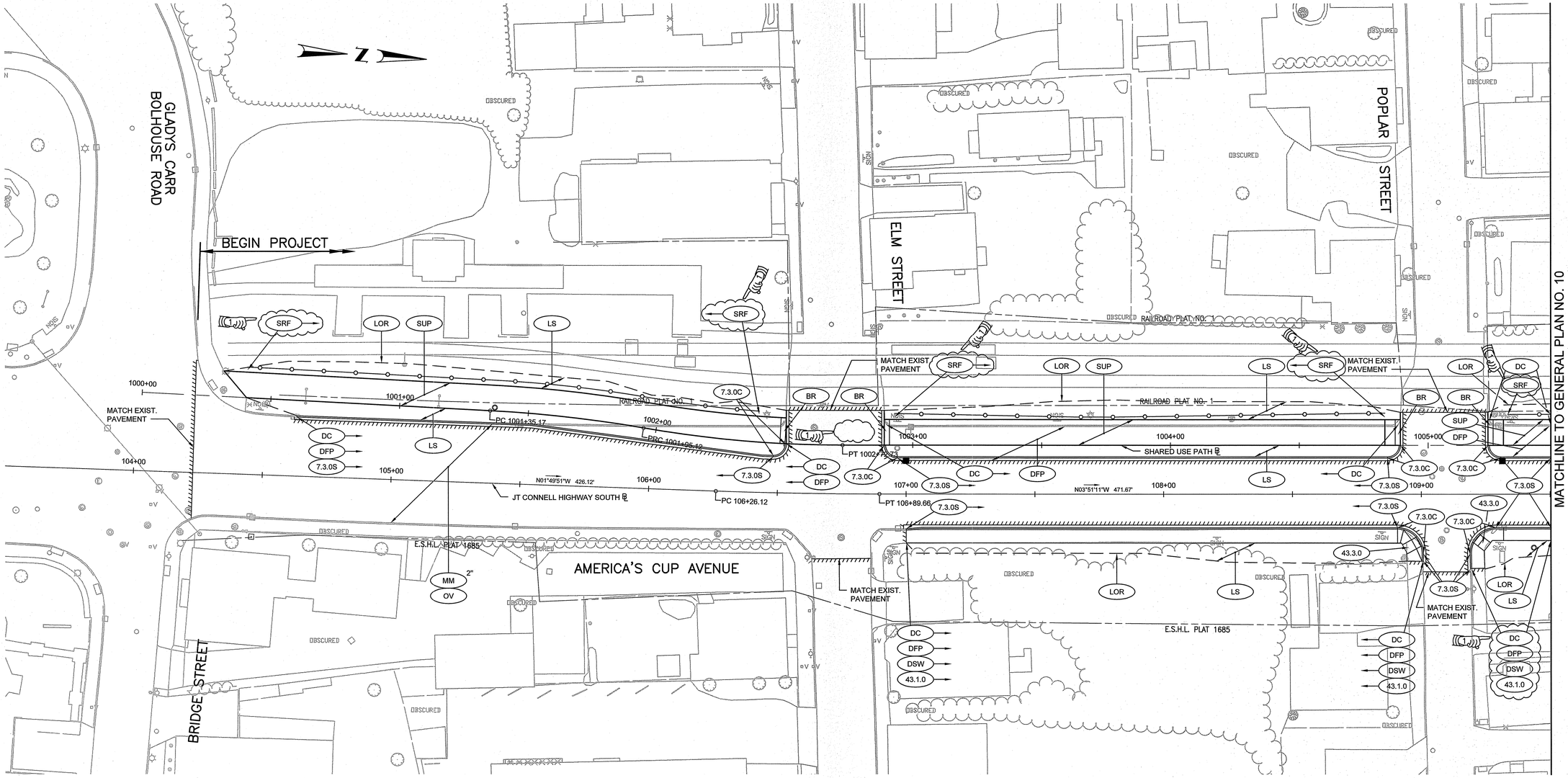
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 8

0050B_V1_024_GENERAL008_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 25 | 127 |




ADDENDUM NO. 2

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of the exact extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0756
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 25
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 9

0050B_V1_025_GENERAL009_ADD02

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 26 | 127 |

MATCHLINE TO GENERAL PLAN NO. 9

MATCHLINE TO GENERAL PLAN NO. 30

MATCHLINE TO GENERAL PLAN NO. 11

AMERICA'S CUP AVENUE

MADISON COURT

FAREWELL STREET

BRAMAN STREET

JT CONNELL HIGHWAY

RAILROAD PLAT NO. 1

E.S.H.L. PLAT 1685

EXIST. RETAINING WALL TO REMAIN

SHARED USE PATH WALL
SEE VOLUME 4 PLANS

PROP. BIORETENTION BASIN 3,
SEE DRAINAGE & UTILITY PLANS

BIKEWAY

PC 1007+70.50

PC 111+61.33

PRC 1010+70.43

PT 1011+23.90

PRC 1008+79.64

PRC 1144+84.90

PT 1001+75.24

PRC 300+11.71

PT 116+24.37

R=196.00'
L=230.57'

R=200.00'
L=63.53'

R=196.00'
L=232.47'

N03°51'11"W 471.67'

N25°19'46"W 111.71'

N54°31'42"W
74.76'

N04°24'19"W 685.46'

MEET
EXISTING

cemetery

Kindly be advised that this Permit is subject to a verification extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER AND PROGRAM
AS SPECIFIED ON PLANS DATED MAY 27 2021 NO CHANGES, APPROVED PLANS MUST BE ON CONSTRUCTION SITE
20-0250

Received
Office of Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 2


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 26
OF:

SCALE: 1"=20'
GRAPHIC SCALE

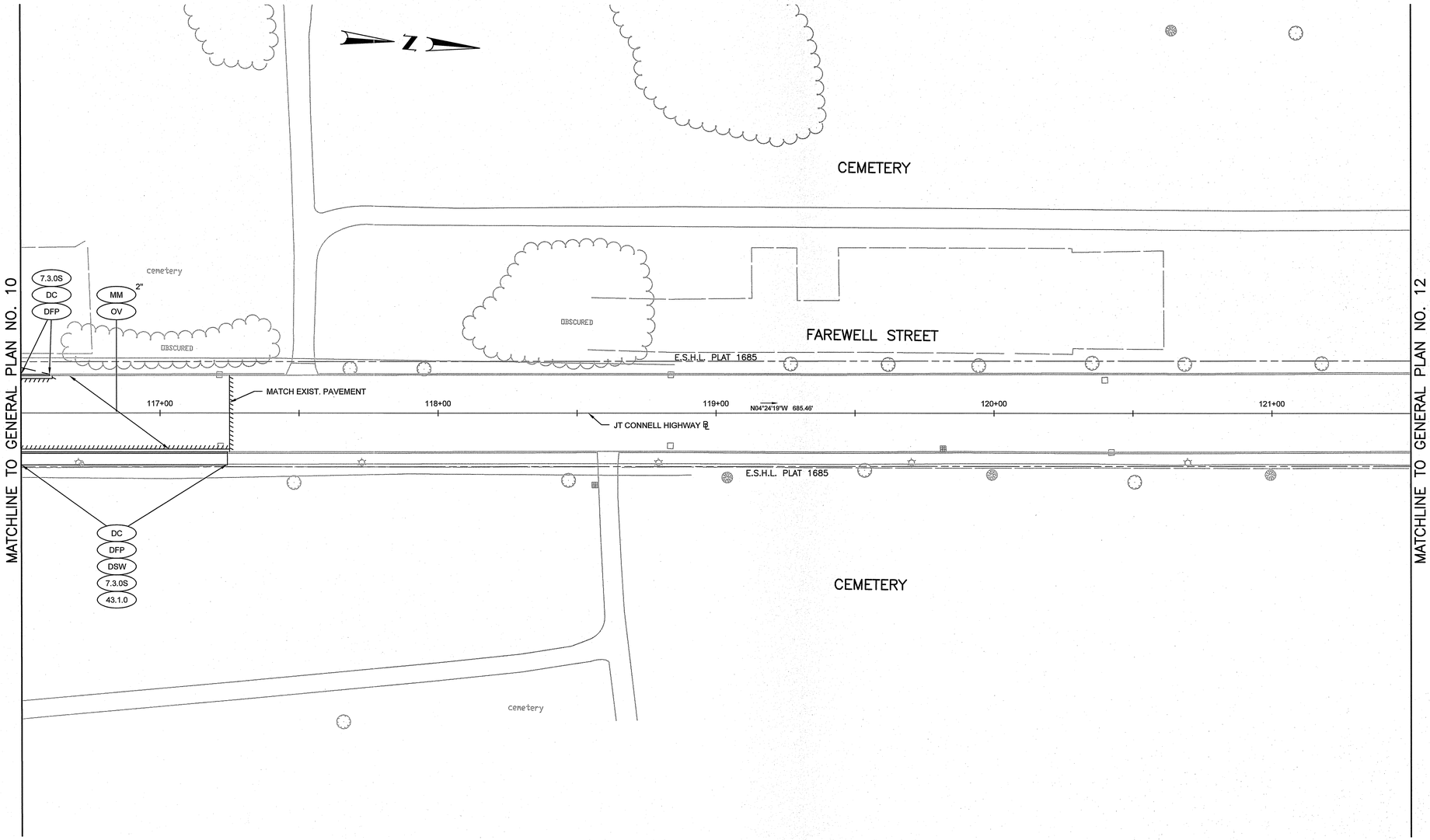
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 10

0050B_V1_026_GENERAL010_ADD02

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 27 | 127 |




Kindly be ...ised that this Perm... to a verific... extent of freshw... ...nds on site.

DEPARTMENT OF ENVIRO... OFFICE OF ... FRESHW... PROG... AS SPE... AS SPE... DATED July 27 2021 ... CHANGES ... APPROVED PLANS MUST ... AT ALL ...

30:0250

Environmental Management
FEB 26 2021
Office of Water Resources


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 27
OF:

SCALE:
10 0 5 10 20 40
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
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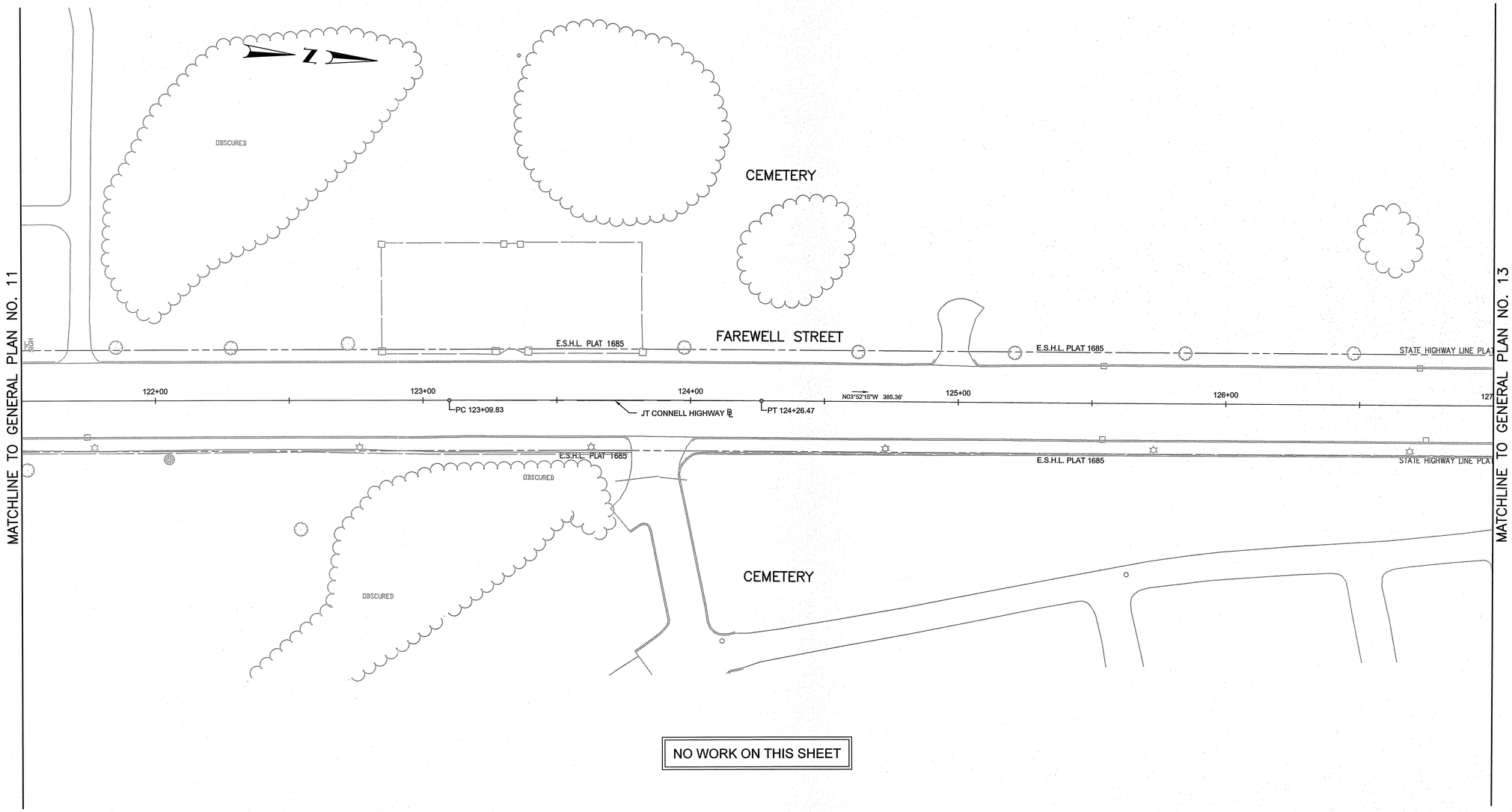
| | | | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 11

0050B_V1_027_GENERAL011

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 28 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permi… to a verific… extent of freshwa… nds on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE O… SOURCES
FRESHW… ROGRAM
AP… ONS
AS SPEC… APPROVAL
DATED MAY 27 2021 … 20-0256
NO CHANGES A… RIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 28
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
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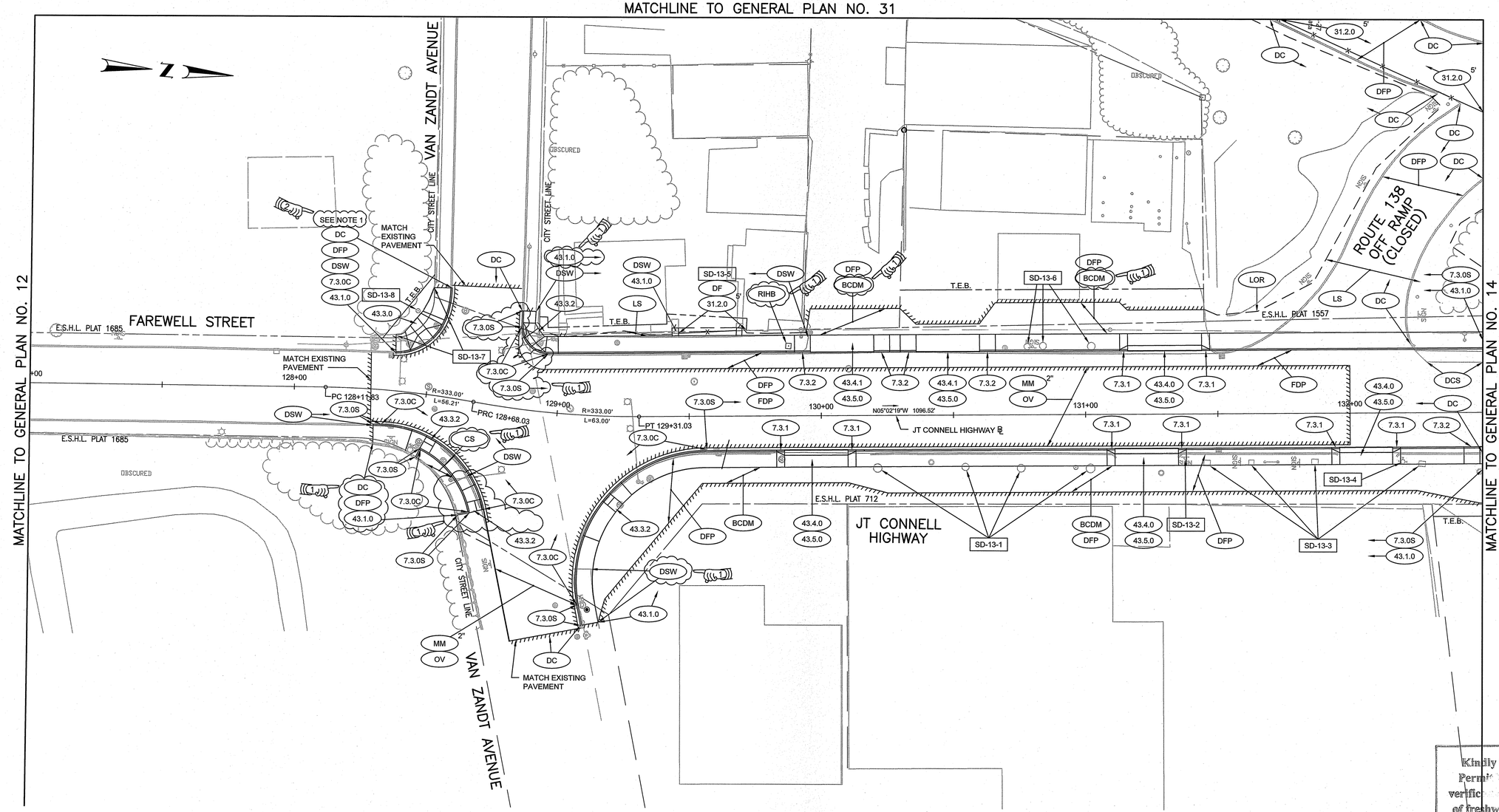
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 12

0050B_V1_028_GENERAL012

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 29 | 127 |

MATCHLINE TO GENERAL PLAN NO. 31




NOTE

1. CONTRACTOR SHALL NOT DISTURB ANY AREAS OUTSIDE OF TEMPORARY EASEMENT BOUNDARY SHOWN AND SHALL TAKE CARE NOT TO EXCAVATE ANY SOILS WITHIN THE HISTORIC CEMETERY. ALL WORK SHALL BE COORDINATED WITH THE CITY OF NEWPORT.

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
AS SPECIFIED IN APPROVAL
DATED MAR 17 2021 26-0256
NO CHANGES ARE PERMITTED FROM APPROVED PLANS DURING CONSTRUCTION

ADDENDUM NO. 5

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 29
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

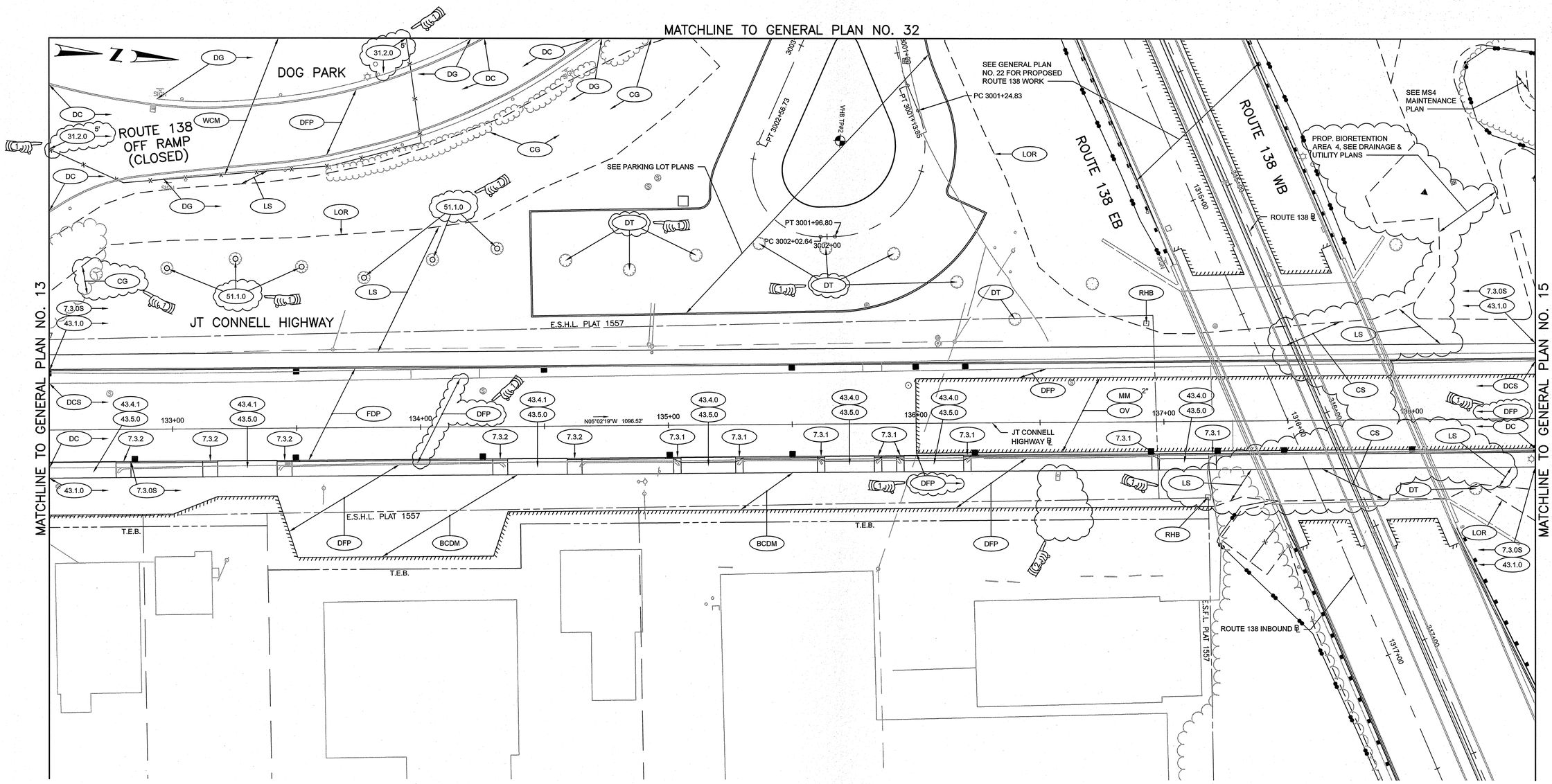
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 13

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 30 | 127 |




ADDENDUM NO. 5

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.


1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 30
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/22/21 | VHB | | | |

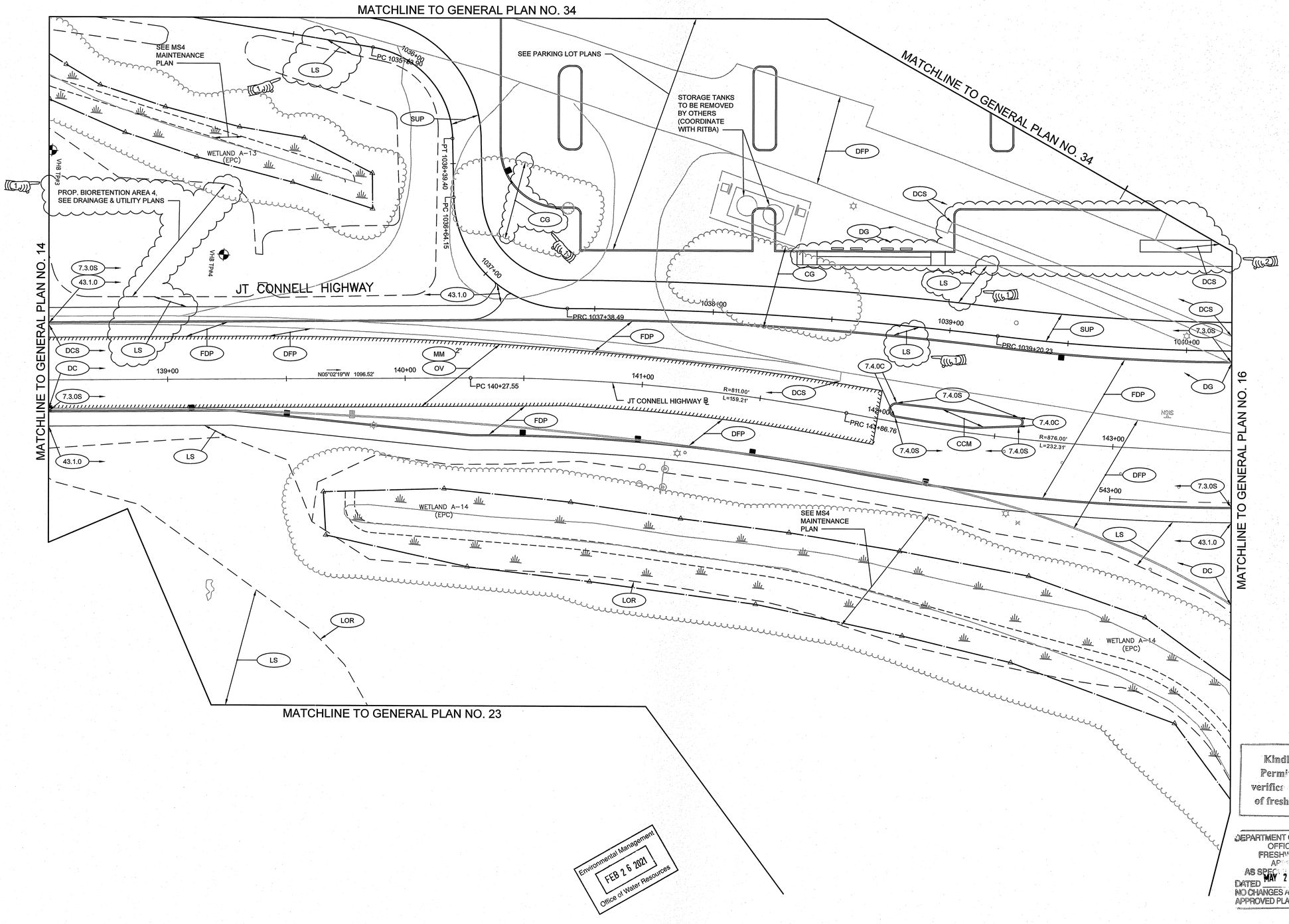
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 14

0050B_V1_030_GENERAL014_ADD05

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 31 | 127 |




Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED ON THE APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 31
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 15

0050B_V1_031_GENERAL015_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 32 | 127 |

R-2

SEE PARKING LOT GENERAL PLAN MATCHLINE TO GENERAL PLAN NO. 34

MATCHLINE TO GENERAL PLAN NO. 15

MATCHLINE TO GENERAL PLAN NO. 17

MATCHLINE TO GENERAL PLAN NO. 27

JT CONNELL HIGHWAY

ROUTE 138 WB ON RAMP (CLOSED)

ROUTE 138 ON RAMP ℄

JT CONNELL HIGHWAY ℄

CONNECTOR ROAD ℄

RAILROAD PLAT NO. 1

E.S.F.L. PLAT 1557

E.S.H.L. PLAT 712

P.S.H.L. PLAT NO. 2977

T.E.B.

CITY STREET LINE

WETLAND A-10 (EPC)

WETLAND A-14 (EPC)

50-FOOT PERIMETER WETLAND

OBSCURED

PROP. BIORETENTION AREA 8, SEE DRAINAGE & UTILITY PLANS

SEE MS4 MAINTENANCE PLAN

PC 3012+70.46

PT 3013+66.82

PT 1040+84.83

PRC 1043+46.38

PCC 1043+72.52

PC 1043+24.17

PT 544+19.07

PRC 543+60.78

PT 544+78.58

PC 147+67.93

R=876.00'
L=232.31'

R=1516.00'
L=255.31'

N08°59'07"W 348.86'

N81°00'53"E 147.76'

3014+00 = 400+00

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0236
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 4

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 32
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY |
|---|---|---|
| 1 | 12/23/20 | VHB |
| 2 | 1/8/21 | VHB |

| REVISIONS NO. | DATE | BY |
|---|---|---|
| | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 16

0050B_V1_032_GENERAL016_ADD04

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 33 | 127 |

MATCHLINE TO GENERAL PLAN NO. 35

MATCHLINE TO GENERAL PLAN NO. 16

MATCHLINE TO GENERAL PLAN NO. 3

JT CONNELL HIGHWAY

E.S.H.L. PLAT 1557

E.S.H.L. PLAT 712

P.S.H.L. PLAT NO. 2977

JT CONNELL HIGHWAY ℄

PRC 1046+15.30

PT 1046+62.89

PT 150+23.23

R=1516.00'
L=255.31'

N00°39'49"E 876.77'

T.E.B.

SD-16-4 SD-17-1 SD17-4 SD17-3 SD17-2 SD-3-2 SD-3-1

CG DT LOR LS SUP BCDM DGC DB DC FDP DFP DSW

7.3.0 7.3.0S 7.3.1 7.3.2 7.3.4 43.1.0 43.4.1 43.5.0 43.4.0

1047+00 1048+00 1049+00 1050+00 1051+00 1052+00 150+00 151+00 152+00 153+00 154+00 155+00

ADDENDUM NO. 4

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that our Permit is not required for verification of the type or size of freeboard provided on this

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVAL IS NOT REQUIRED
AS STATED
DATED MAY 27 2021 20-0250
EXCEPT FOR CHANGES AS NOTED ON APPROVED PLANS MUSTER AT CONSTRUCTION


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 33
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/8/21 | VHB | | | |

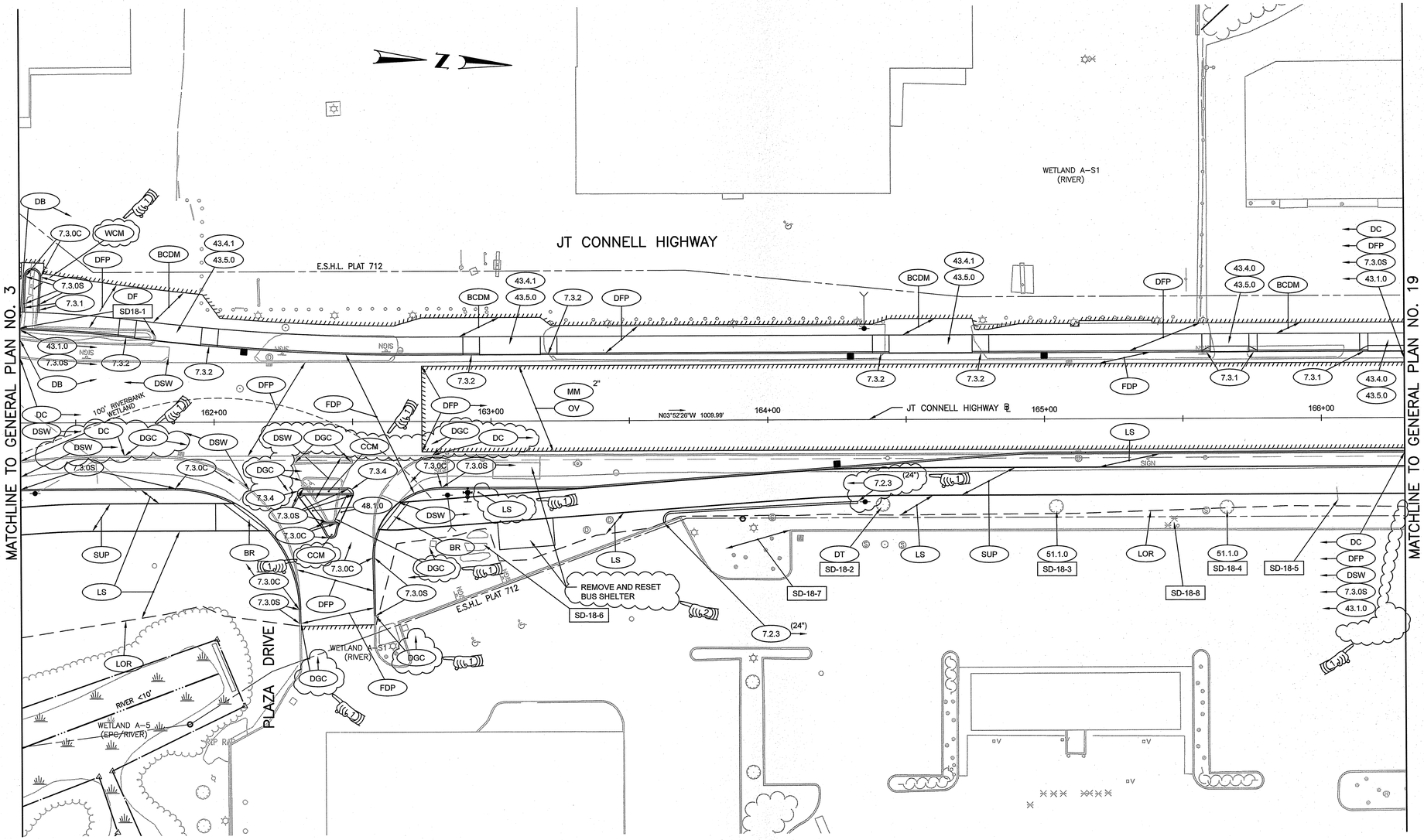
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 17

0050B_V1_033_GENERAL017_ADD04

R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 34 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED NOV 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 34
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/8/21 | VHB | | | |

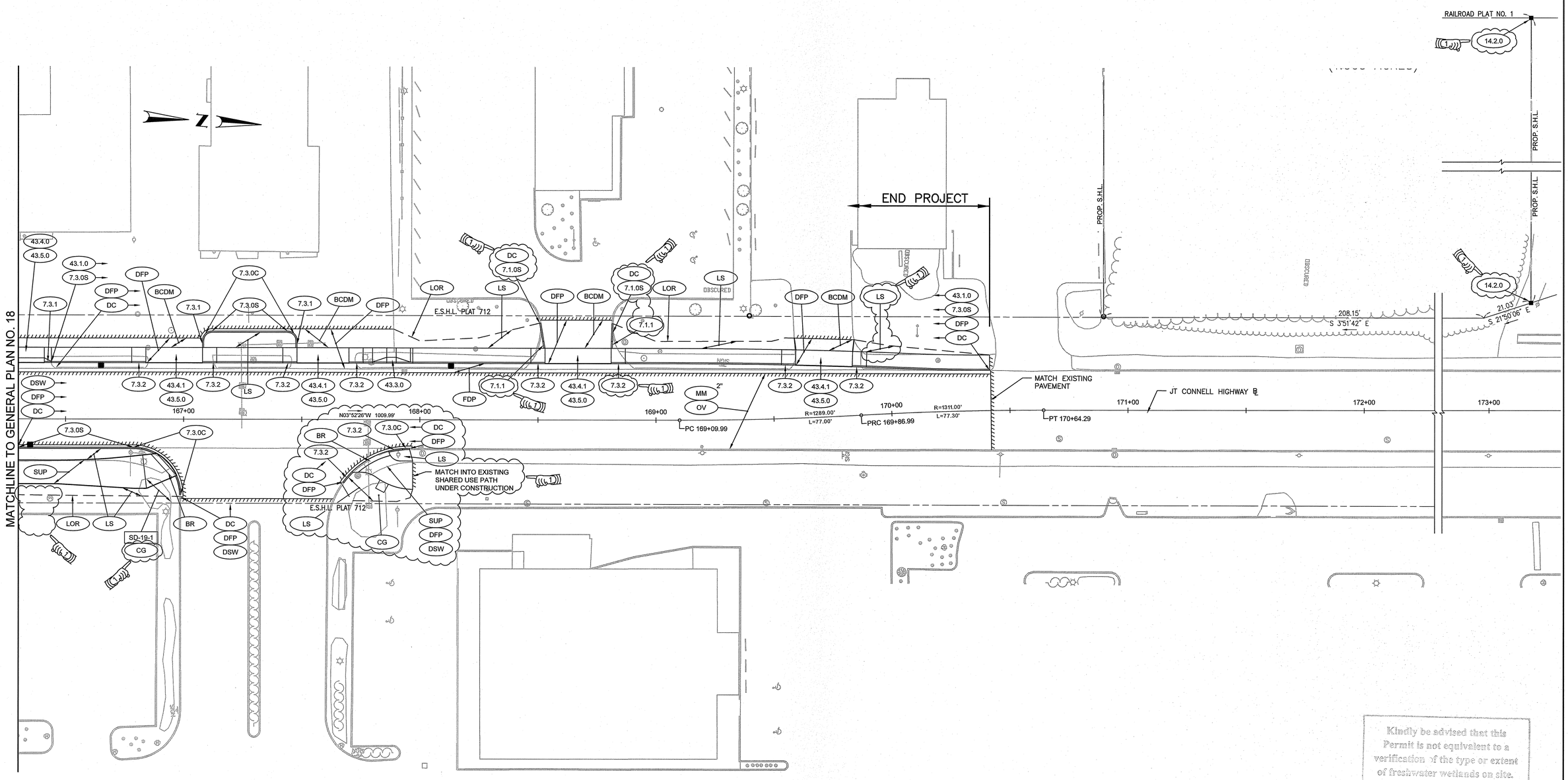
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 18

0050B_V1_034_GENERAL018_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 35 | 127 |




ADDENDUM NO. 2


Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
RECEIVED
Office of Water Resources



vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 35
OF:

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

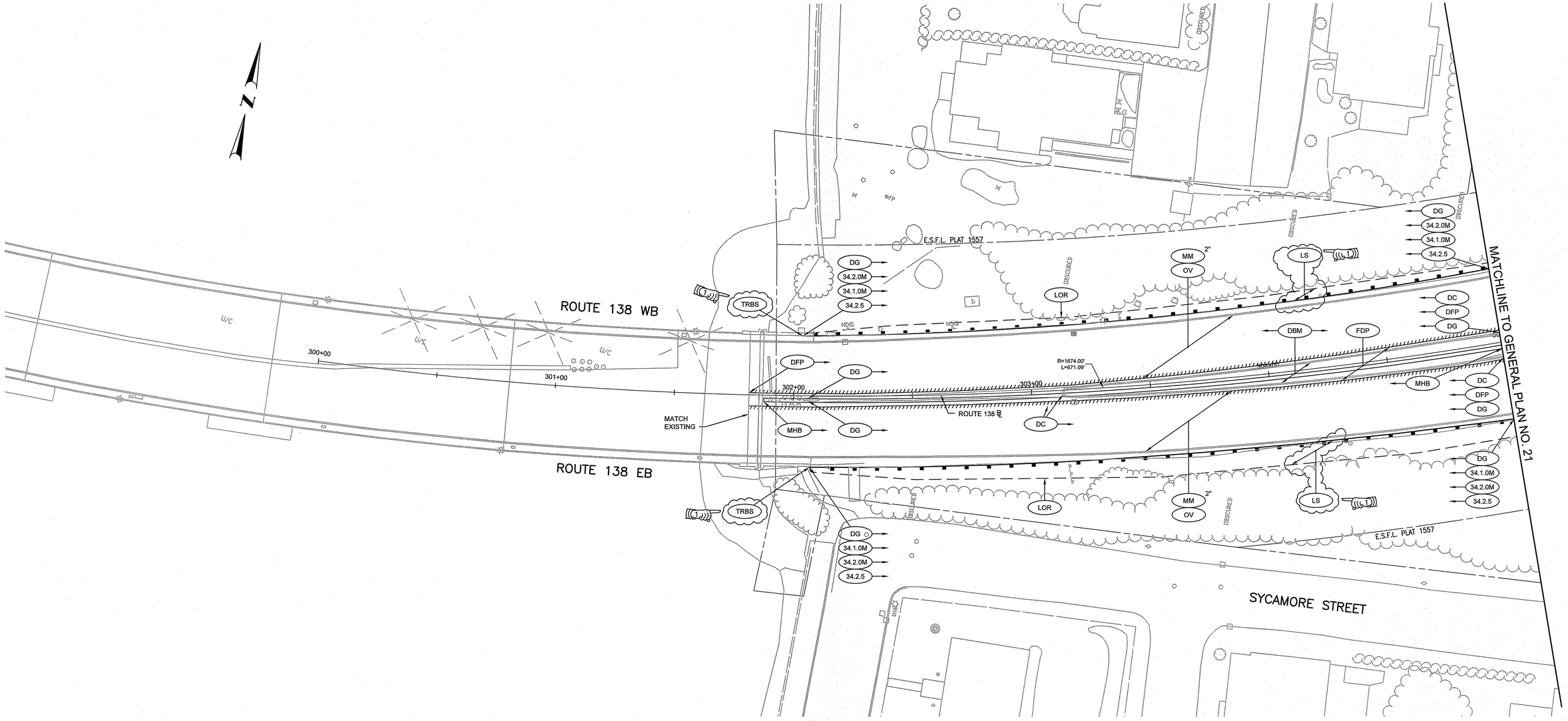
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 19

0050B_V1_035_GENERAL019_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 36 | 127 |




ADDENDUM NO. 2

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0356
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 36
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

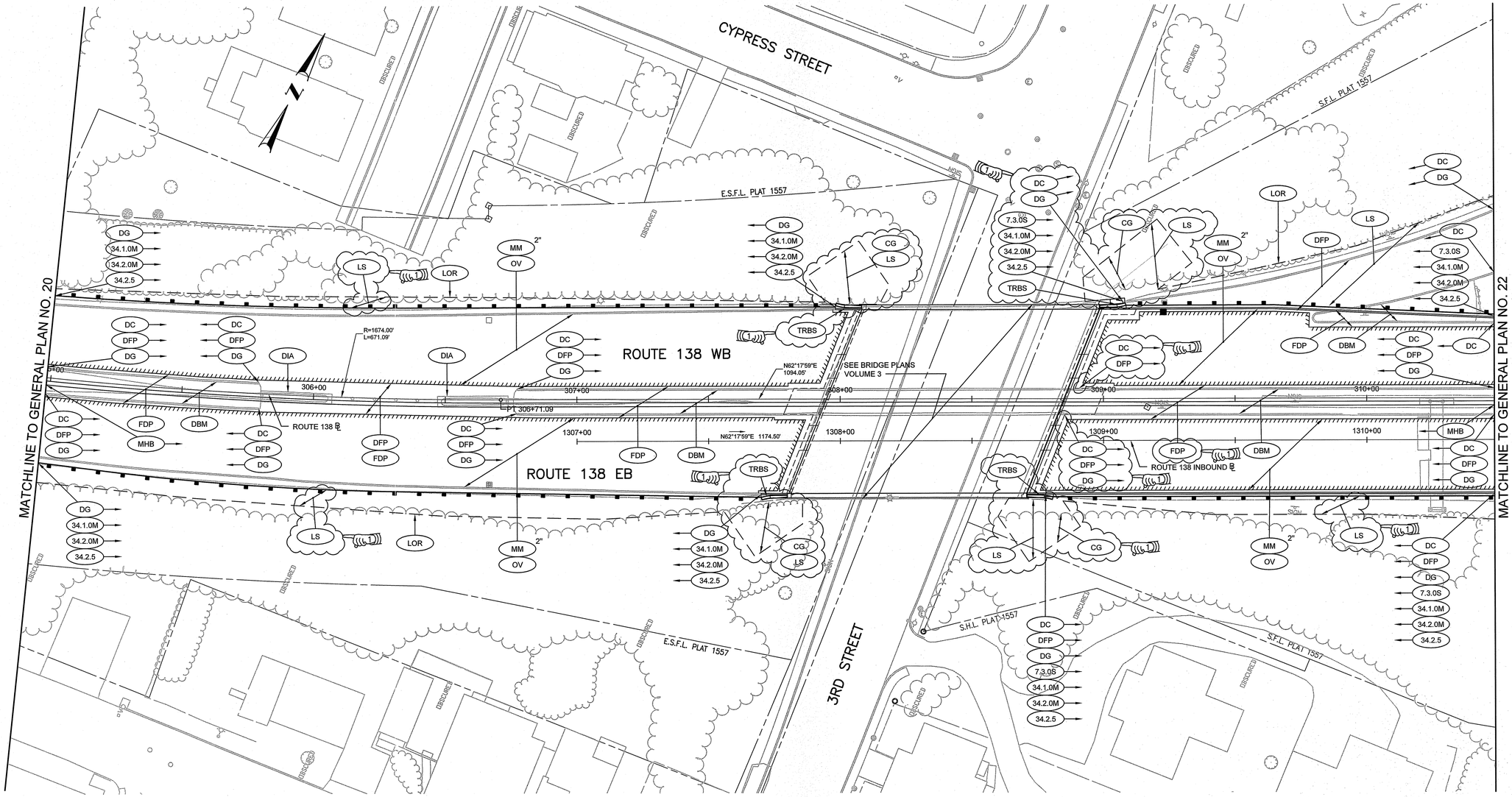
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 20

0050B_V1_036_GENERAL020_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 37 | 127 |




ADDENDUM NO. 2

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 37
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

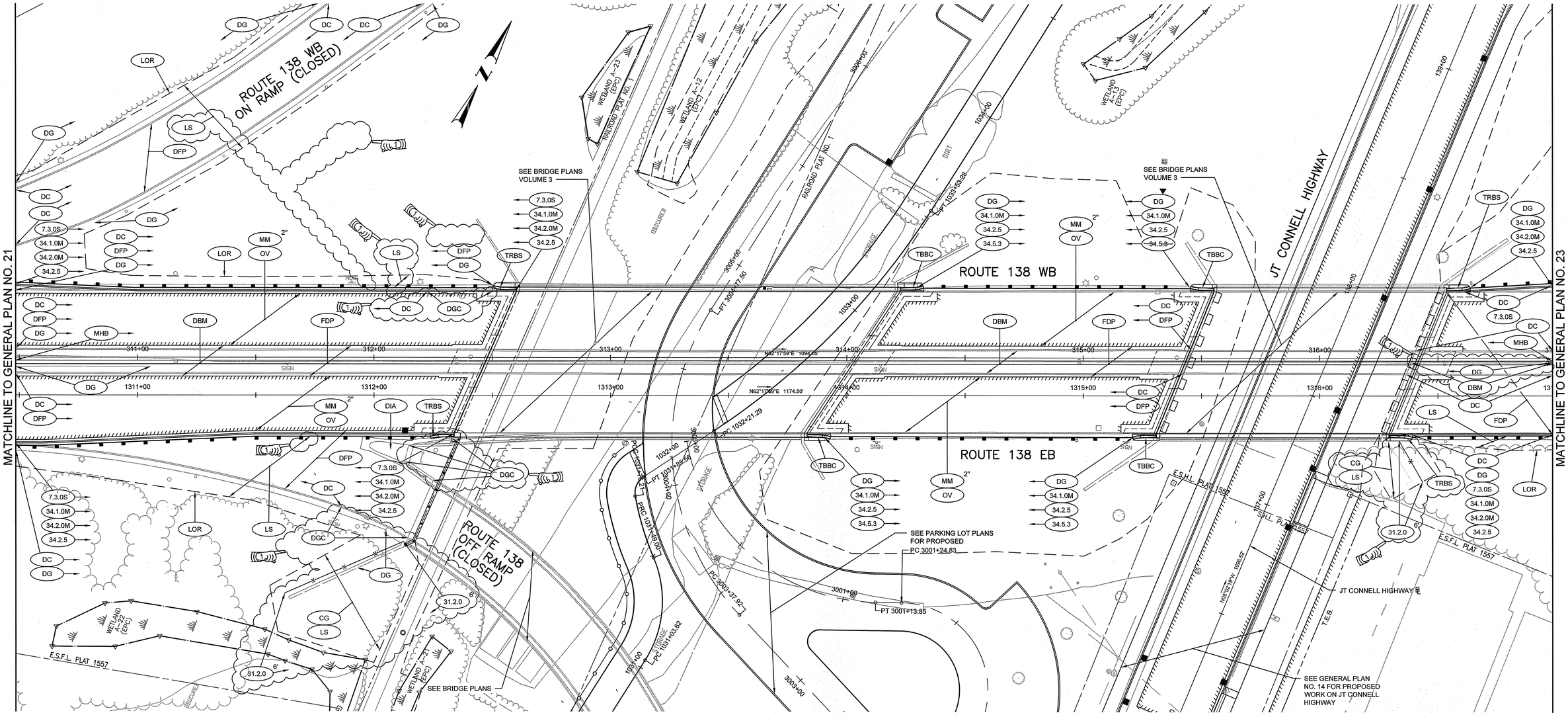
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 21

0050B_V1_037_GENERAL021_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 38 | 127 |




ADDENDUM NO. 2


Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 38
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

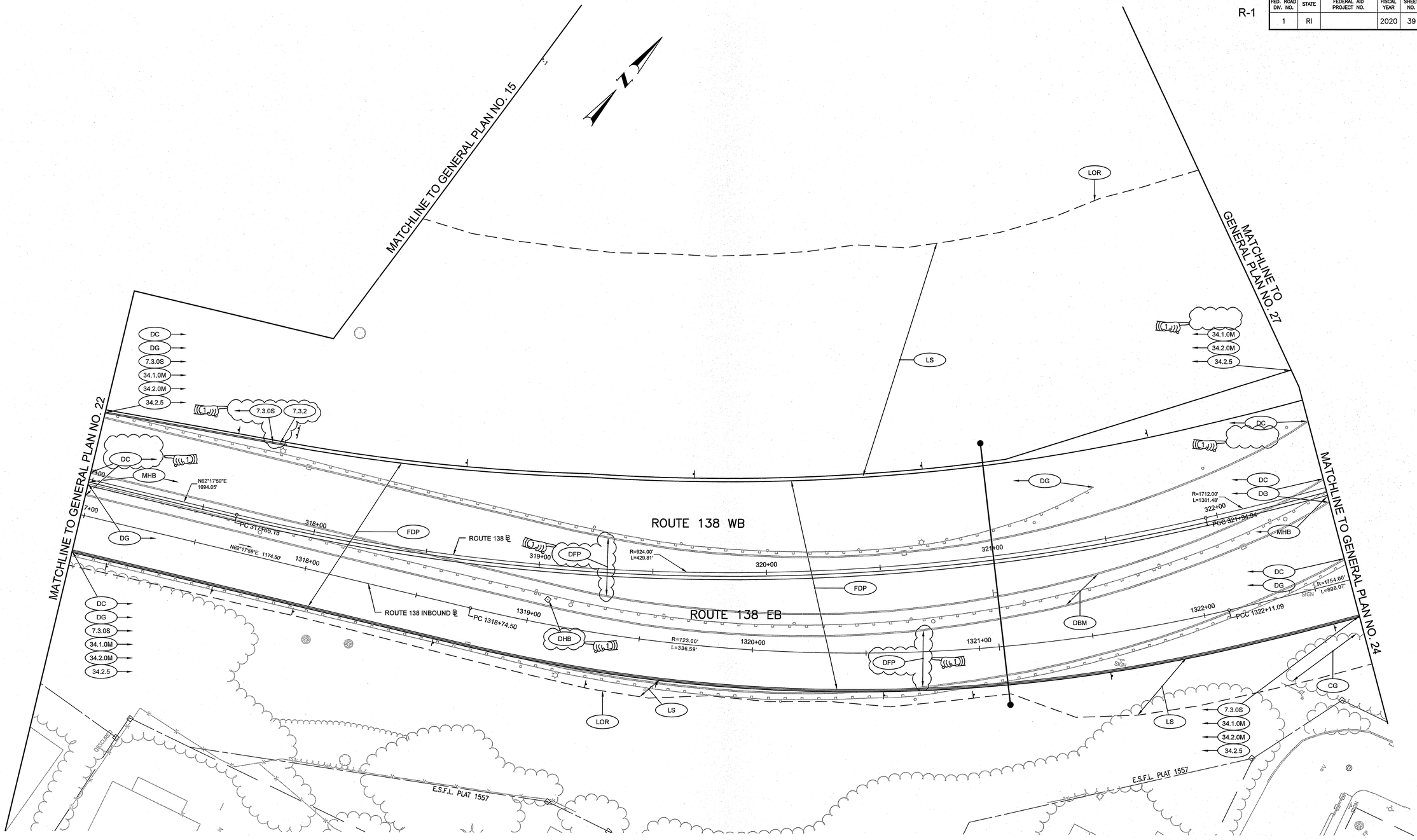
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 22

0050B_V1_038_GENERAL022_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 39 | 127 |




ADDENDUM NO. 2

Environmental Management
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Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Providence, RI 02903
401.272.8100


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DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 39
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 23

0050B_V1_039_GENERAL023_ADD02

R-3

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 40 | 127 |

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MATCHLINE TO GENERAL PLAN NO. 27

MATCHLINE TO GENERAL PLAN NO. 23

MATCHLINE TO GENERAL PLAN NO. 25

ROUTE 138 WB

ROUTE 138 EB

COLUMBUS WAY

HALSEY STREET

P.S.H.L. PLAT NO. 2973

P.S.H.L PLAT NO. 2975

P.S.H.L. PLAT NO. 2974

P.S.H.L. PLAT NO. 2972

E.S.E.L. PLAT 1557

T.E.B.

CITY STREET LINE

RET WALL
SEE VOLUME 4

MATCH INTO PROPOSED SITE WORK BY OTHERS

ADDENDUM NO. 7

Environmental Management
FEB 26 2021
Office of Water Resources

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1 Cedar Street
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
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DATE:
SHEET: 40
OF:

SCALE: 1"=20'
GRAPHIC SCALE

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|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/8/21 | VHB | | | |
| 3 | 2/2/21 | VHB | | | |

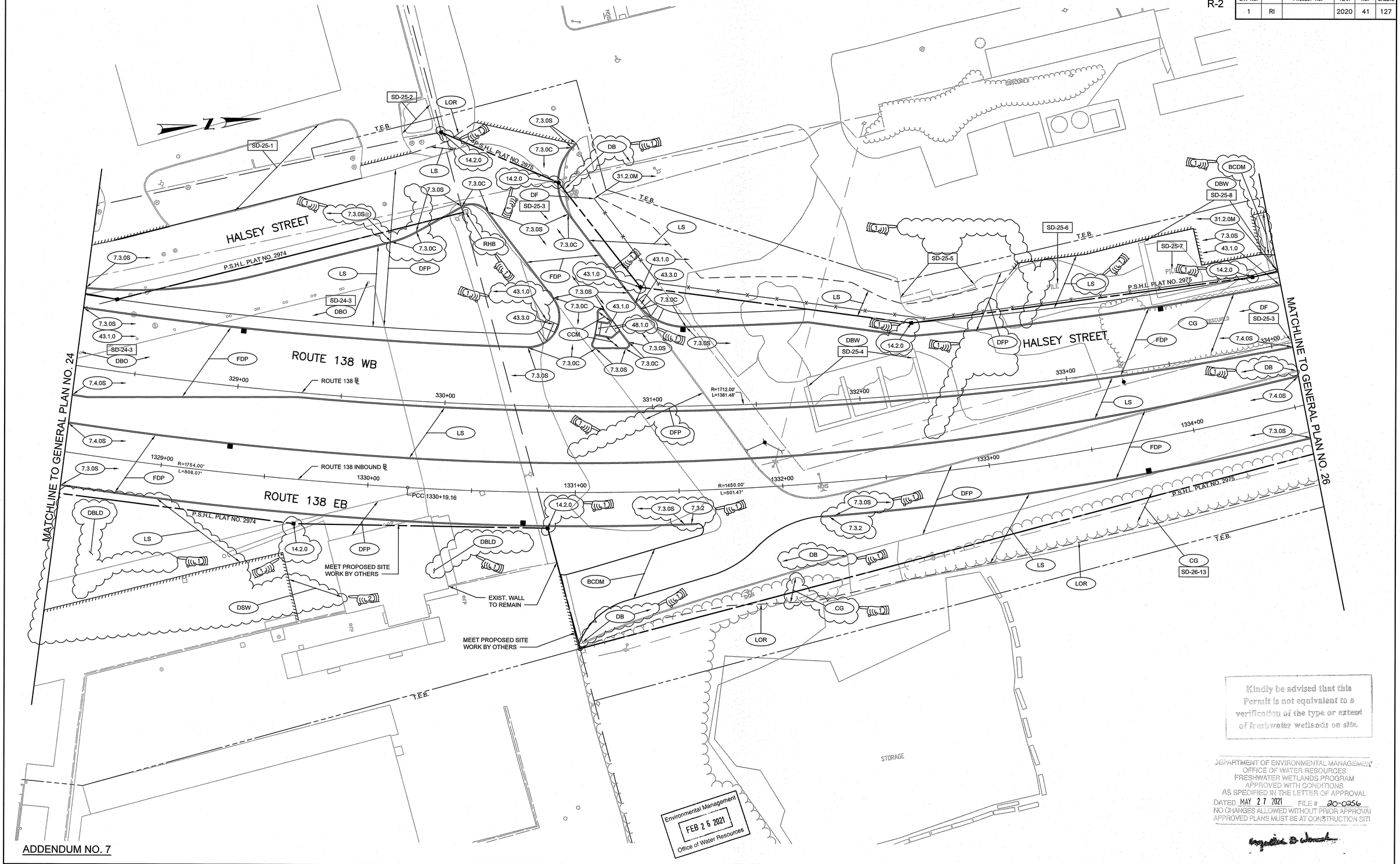
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 24

0050B_V1_040_GENERAL024_ADD07

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 41 | 127 |




ADDENDUM NO. 7

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OFFICE OF WATER RESOURCES
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Environmental Management
FEB 25 2021
Office of Water Resources


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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 41
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

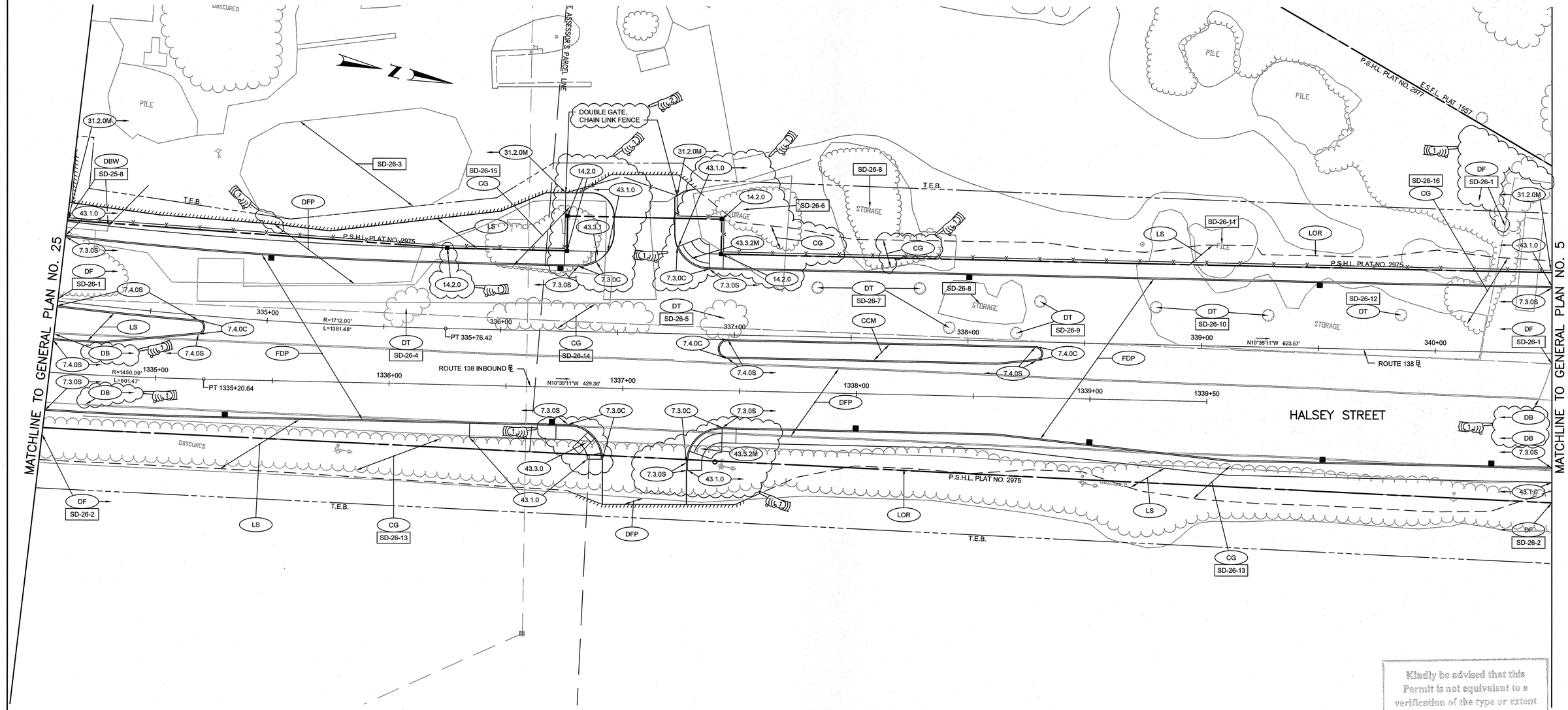
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 25

0050B_V1_041_GENERAL025_ADD07

R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 42 | 127 |




ADDENDUM NO. 5

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FEB 26 2021
Office of Water Resources


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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 42
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

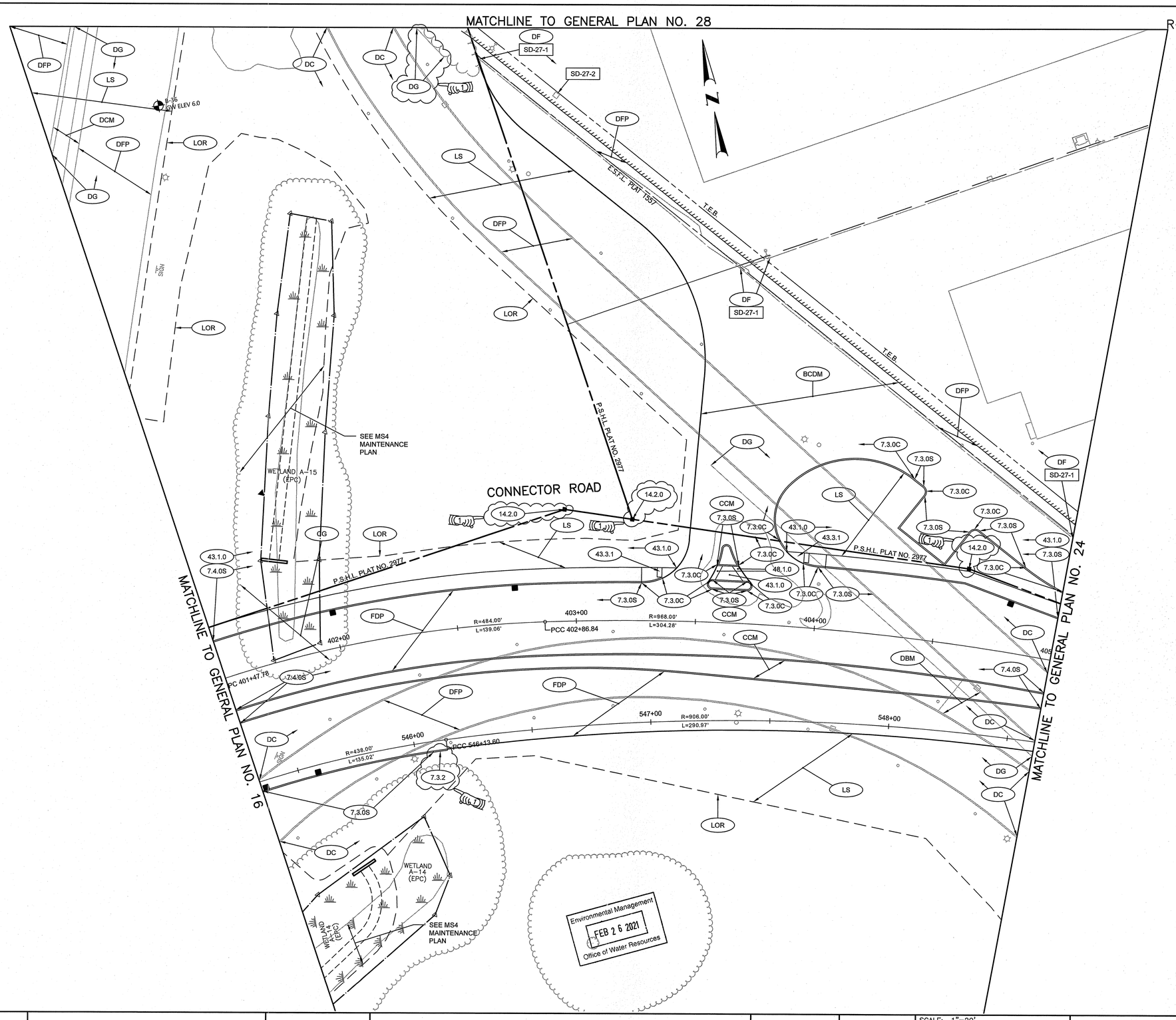
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 26

0050B_V1_042_GENERAL026_ADD05

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 43 | 127 |




ADDENDUM NO. 2

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OFFICE OF WATER RESOURCES
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 43
OF:

SCALE: 1"=20'
GRAPHIC SCALE

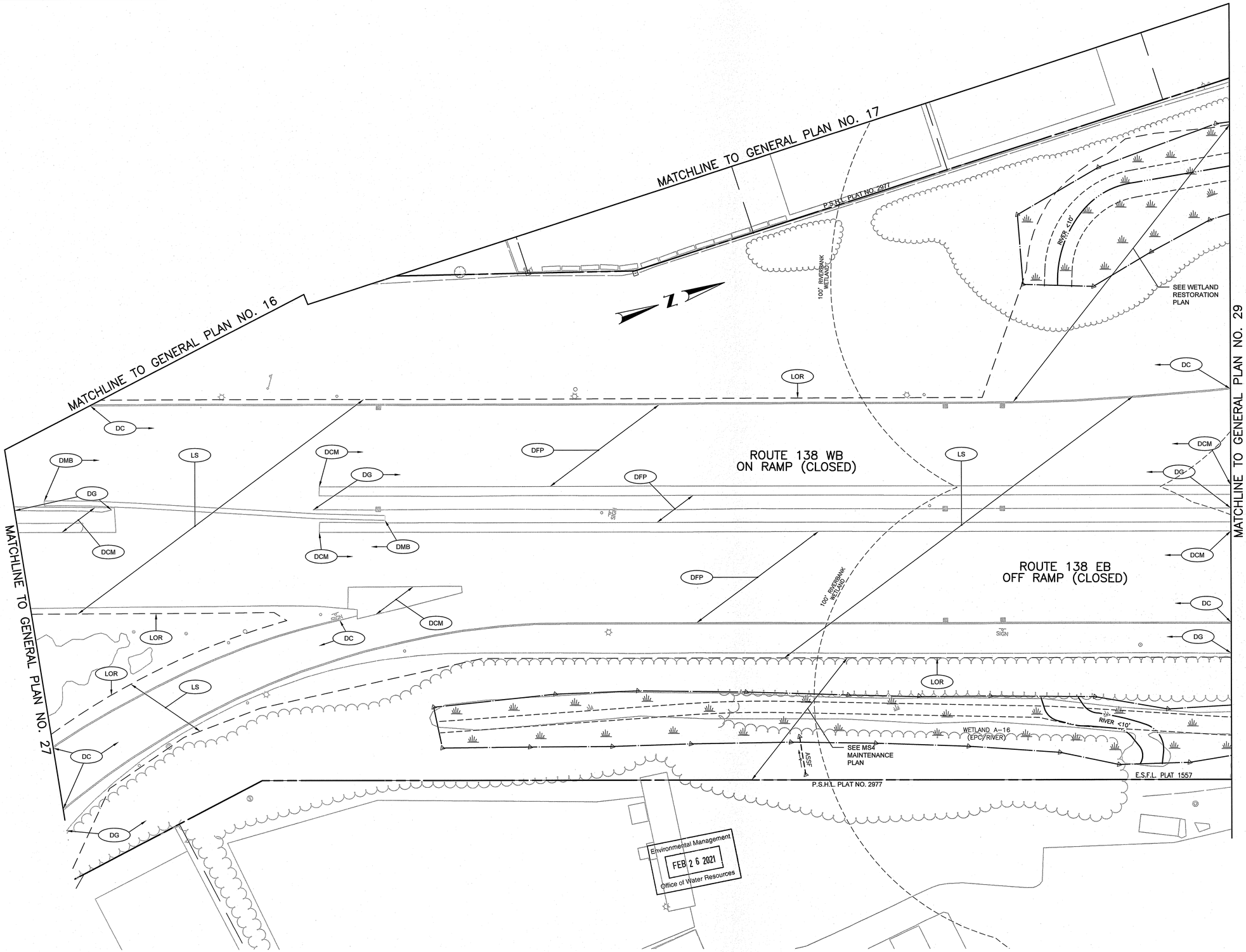
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 27

0050B_V1_043_GENERAL027_ADD02

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 44 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 44
OF:

SCALE: 1"=20'
10 0 5 10 20 40
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
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# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

NEWPORT RHODE ISLAND

## GENERAL PLAN NO. 28

0050B_V1_044_GENERAL028

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 45 | 127 |

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

MATCHLINE TO GENERAL PLAN NO. 17

MATCHLINE TO GENERAL PLAN NO. 3

MATCHLINE TO GENERAL PLAN NO. 4

MATCHLINE TO GENERAL PLAN NO. 29

MATCHLINE TO GENERAL PLAN NO. 26

P.S.H.L. PLAT NO. 2975

E.S.F.I.L. PLAT 1557

LOR

DISCURED

RIVER <10'

WETLAND A–6 (EPC/RIVER)

SEE WETLAND RESTORATION PLAN

B-24 0383

ON RAMP (CLOSED)

100' RIVERBANK WETLAND

NDIS

SIGN

DC

DFP

LS

DG

DCM

ROUTE 138 WB ON RAMP (CLOSED)

ROUTE 138 EB OFF RAMP (CLOSED)

WETLAND A–16 (EPC/RIVER)

SEE MS4 MAINTENANCE PLAN

PILE

ADDENDUM NO. 2

Environmental Management
FEB 2 6 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED MAY 27 2021 FILE # 20-0256
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vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 45
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| 1 | 12/23/20 | VHB | | | |

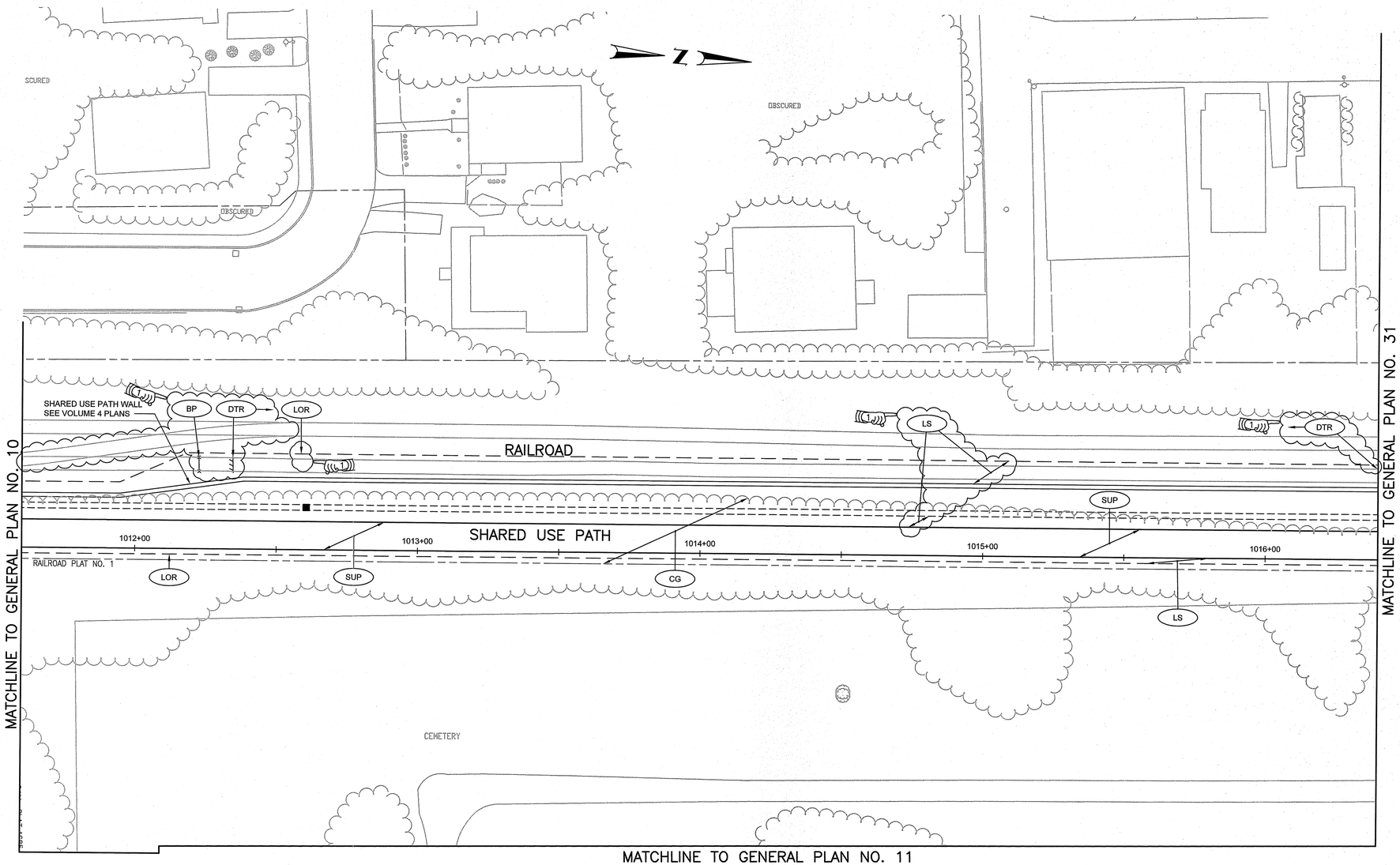
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 29

0050B_V1_045_GENERAL029_ADD02

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 46 | 127 |




ADDENDUM NO. 2

Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 46
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| 1 | 12/23/20 | VHB | | | |

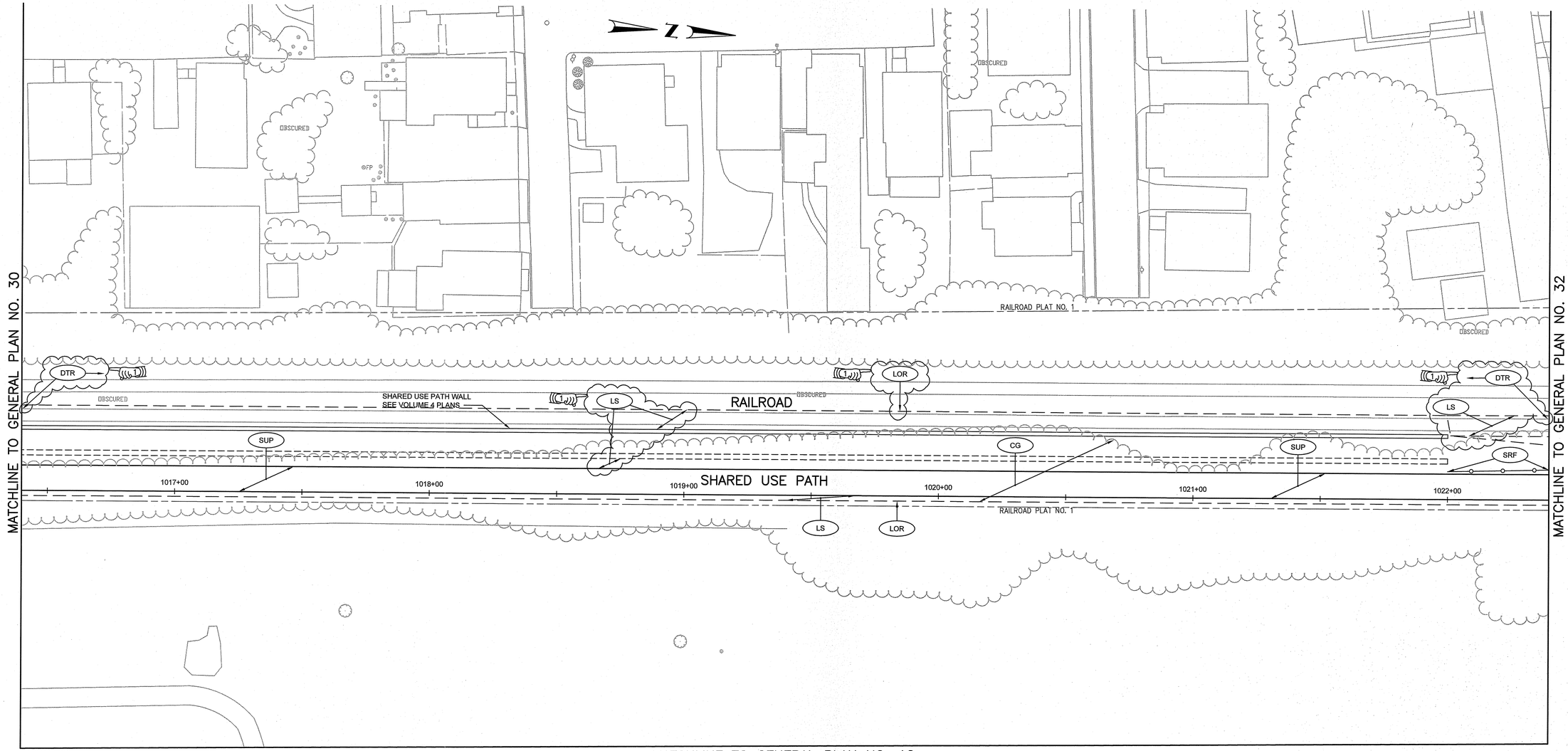
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 30

0050B_V1_046_GENERAL030_ADD02

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 47 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 47
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

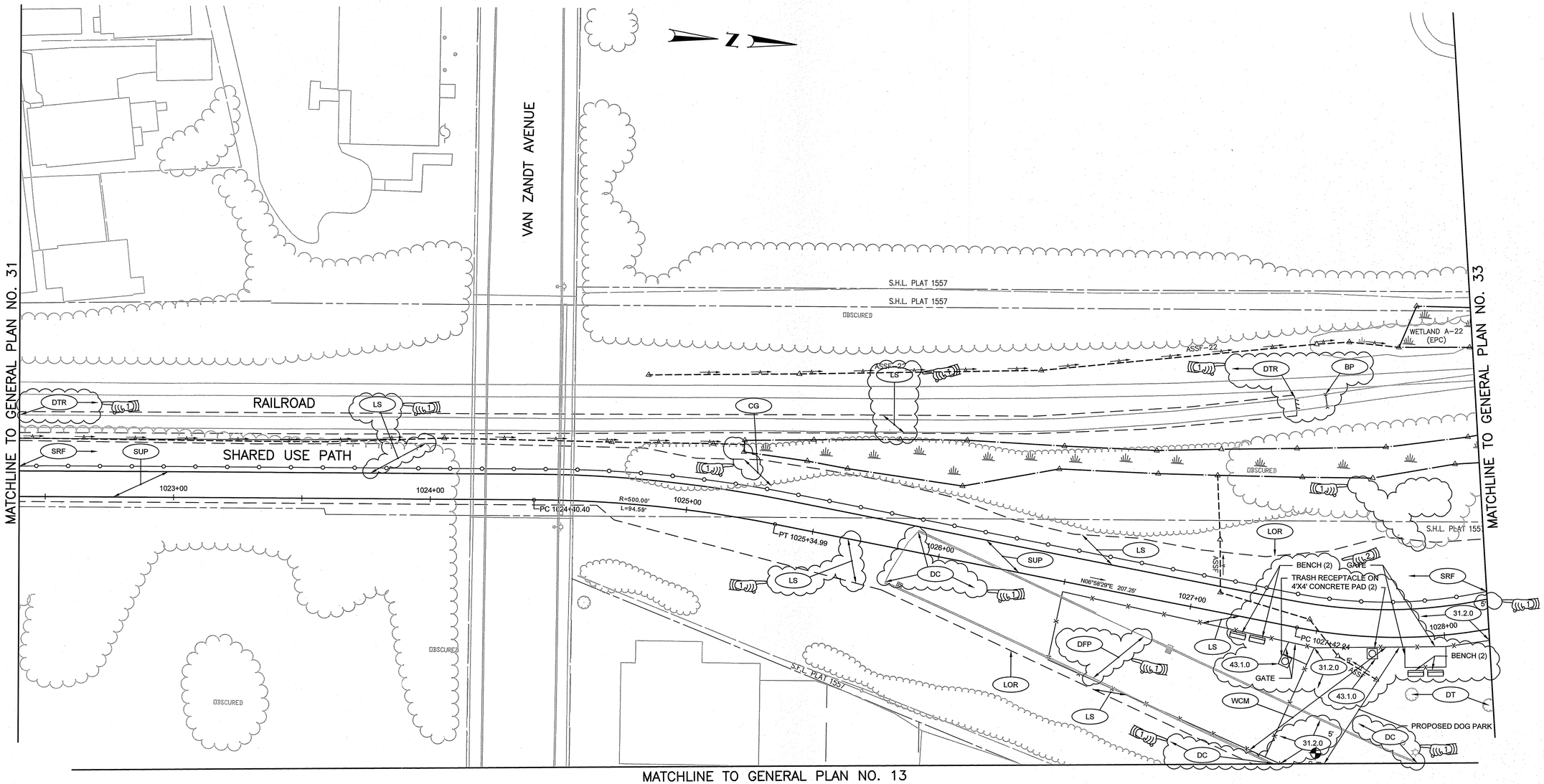
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 31

0050B_V1_047_GENERAL031_ADD02

R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 48 | 127 |




Environmental Management
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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DATE:
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OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |
| 2 | 1/22/21 | VHB | | | |

# PELL BRIDGE
## APPROACH ROADS AND RAMP IMPROVEMENTS
## NEWPORT SIDE

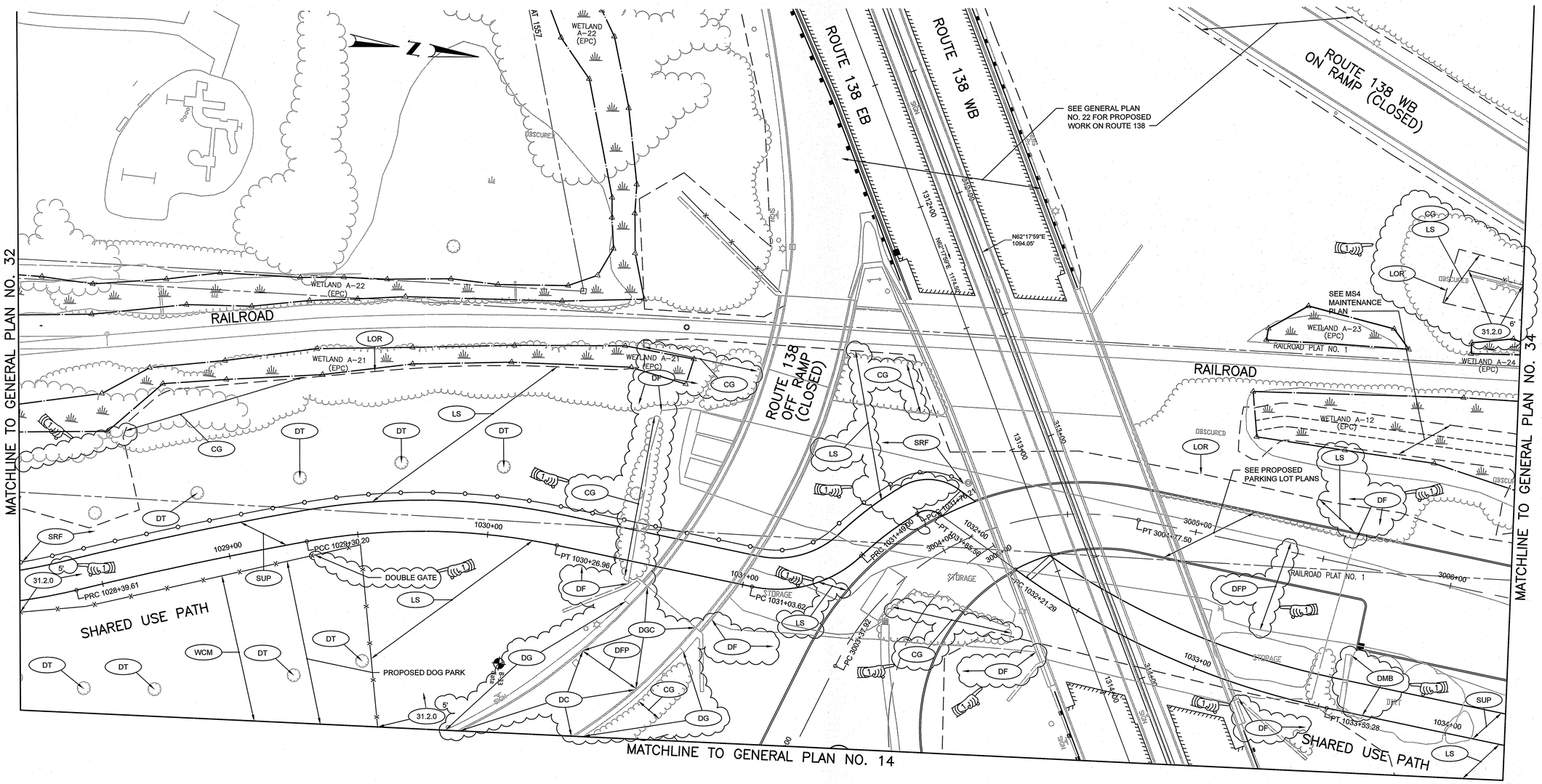
NEWPORT RHODE ISLAND

## GENERAL PLAN NO. 32

0050B_V1_048_GENERAL032_ADD05

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 49 | 127 |

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DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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DATE:
SHEET: 49
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| 1 | 12/23/20 | VHB | | | |

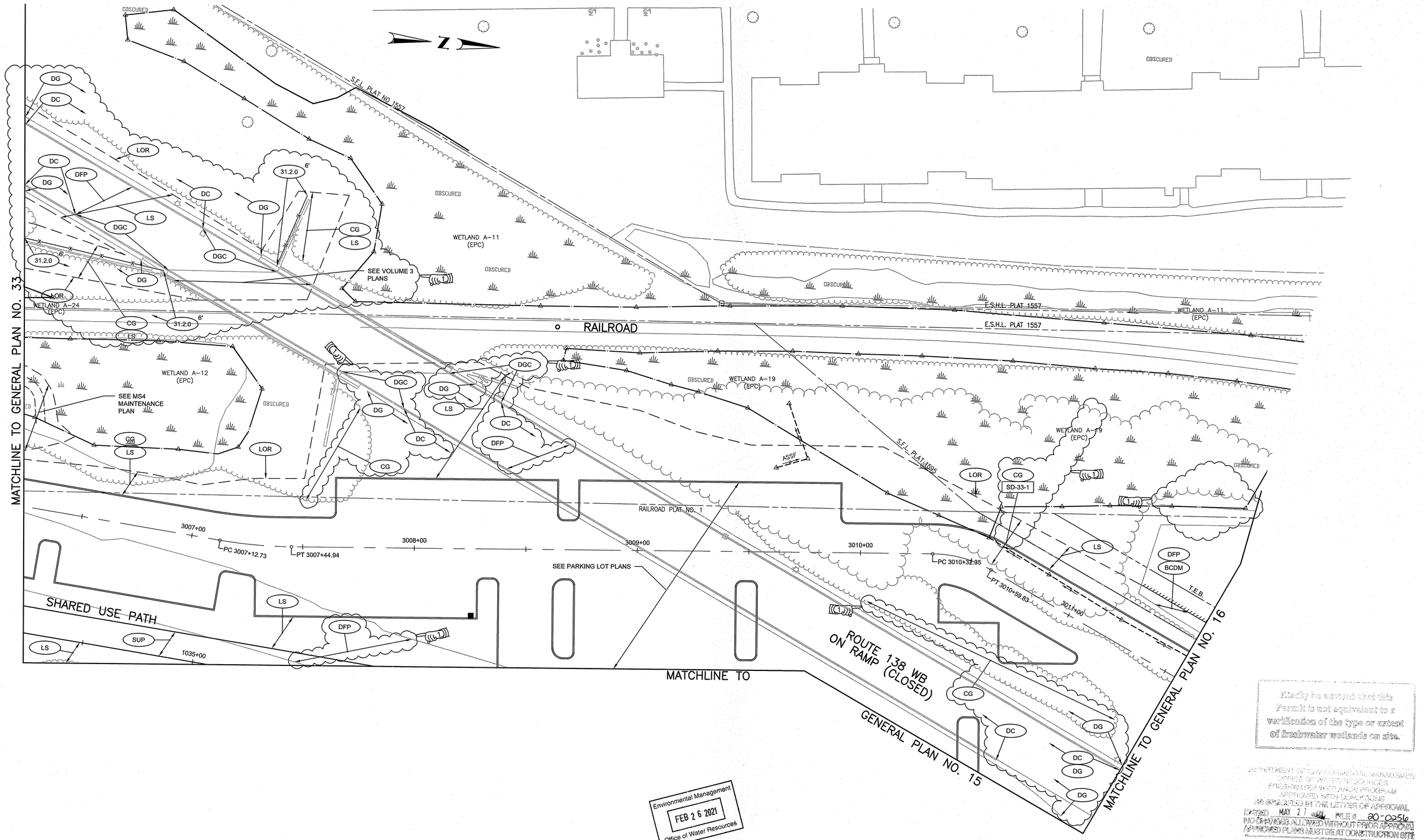
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GENERAL PLAN NO. 33

0050B_V1_049_GENERAL033_ADD02

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 50 | 127 |

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DATE:
SHEET: 50
OF:

SCALE: 1"=20'
GRAPHIC SCALE

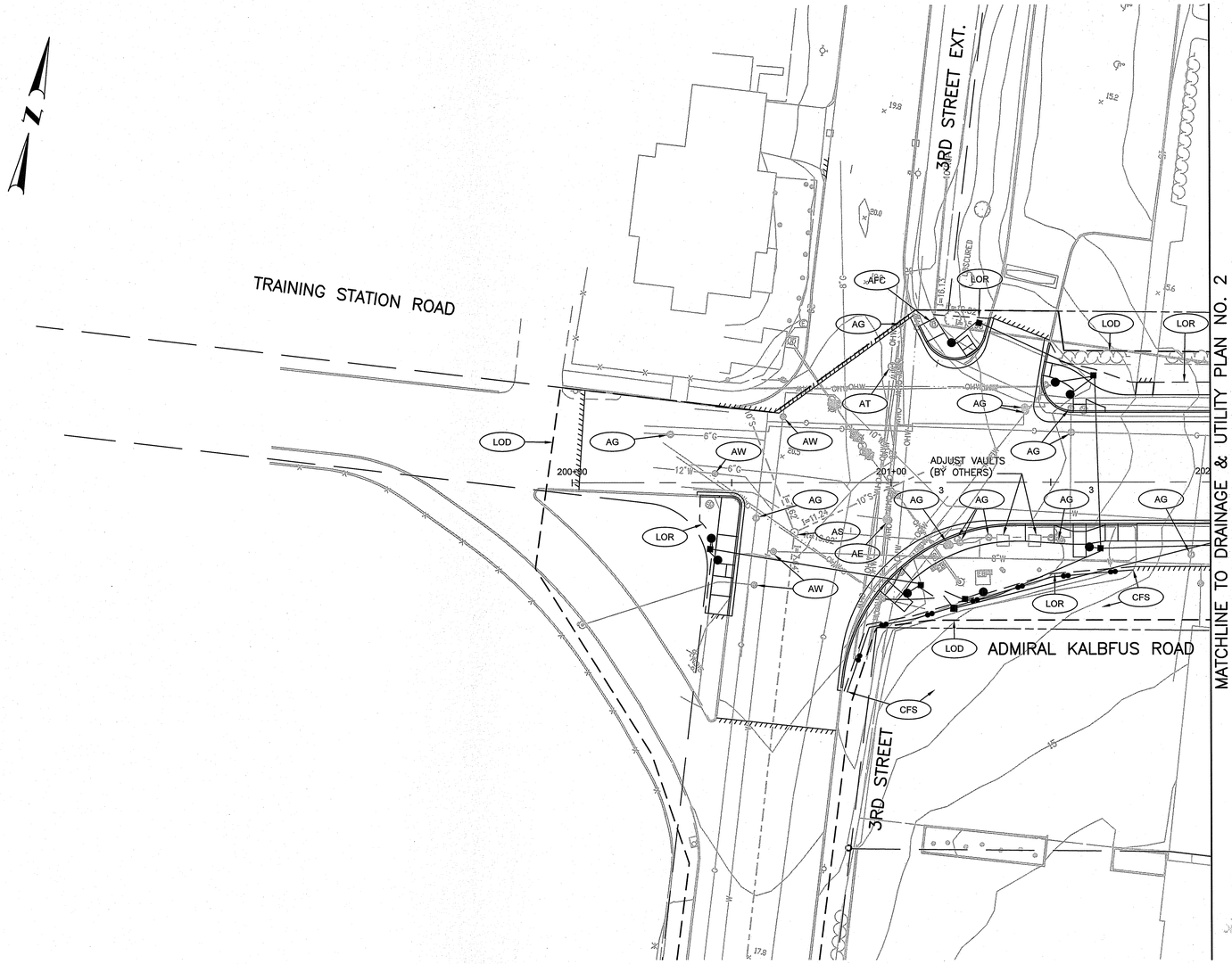
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GENERAL PLAN NO. 34

0050B_V1_050_GENERAL034_ADD02

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 51 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
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DATE:
SHEET: 51
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
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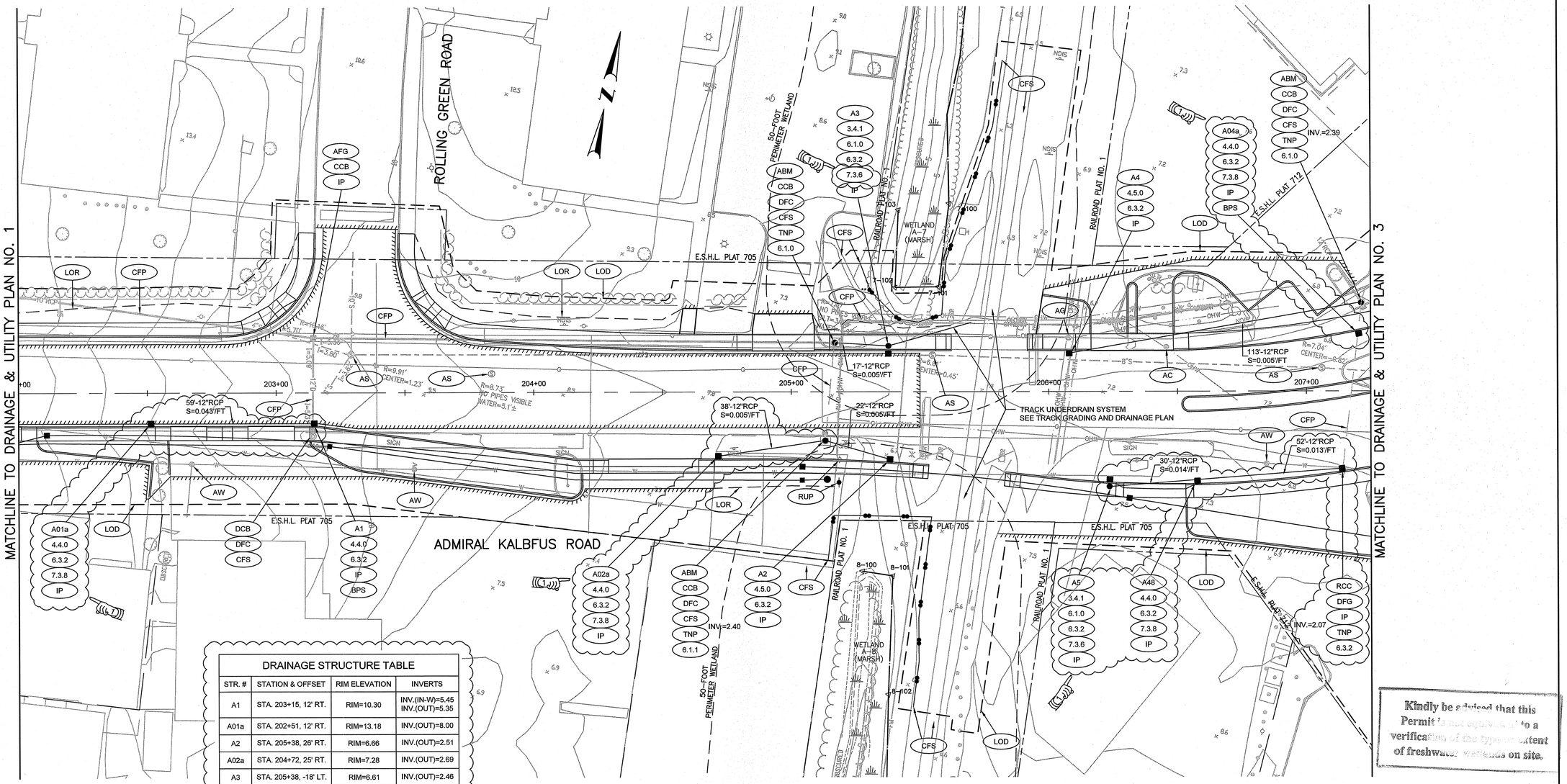
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 1

0050B_V1_051_DRAINUTL001

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 52 | 127 |




| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| A1 | STA. 203+15, 12' RT. | RIM=10.30 | INV.(IN-W)=5.45<br>INV.(OUT)=5.35 |
| A01a | STA. 202+51, 12' RT. | RIM=13.18 | INV.(OUT)=8.00 |
| A2 | STA. 205+38, 26' RT. | RIM=6.66 | INV.(OUT)=2.51 |
| A02a | STA. 204+72, 25' RT. | RIM=7.28 | INV.(OUT)=2.69 |
| A3 | STA. 205+38, -18' LT. | RIM=6.61 | INV.(OUT)=2.46 |
| A4 | STA. 206+08, -15' LT. | RIM=6.65 | INV.(OUT)=2.48 |
| A04a | STA. 207+20, -23' LT. | RIM=7.38 | INV.(IN-S)=1.78<br>INV.(OUT)=1.78 |
| A5 | STA. 206+23, 37' RT. | RIM=7.31 | INV.(OUT)=3.18 |
| A05a | STA. 207+14, 31' RT. | RIM=6.24 | INV.(IN-W)=2.07<br>INV.(OUT)=2.06 |
| A48 | STA. 206+58, 35' RT. | RIM=6.72 | INV.(IN-W)=2.76<br>INV.(OUT)=2.76 |

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of the type & extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVAL WITH CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 52
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 2

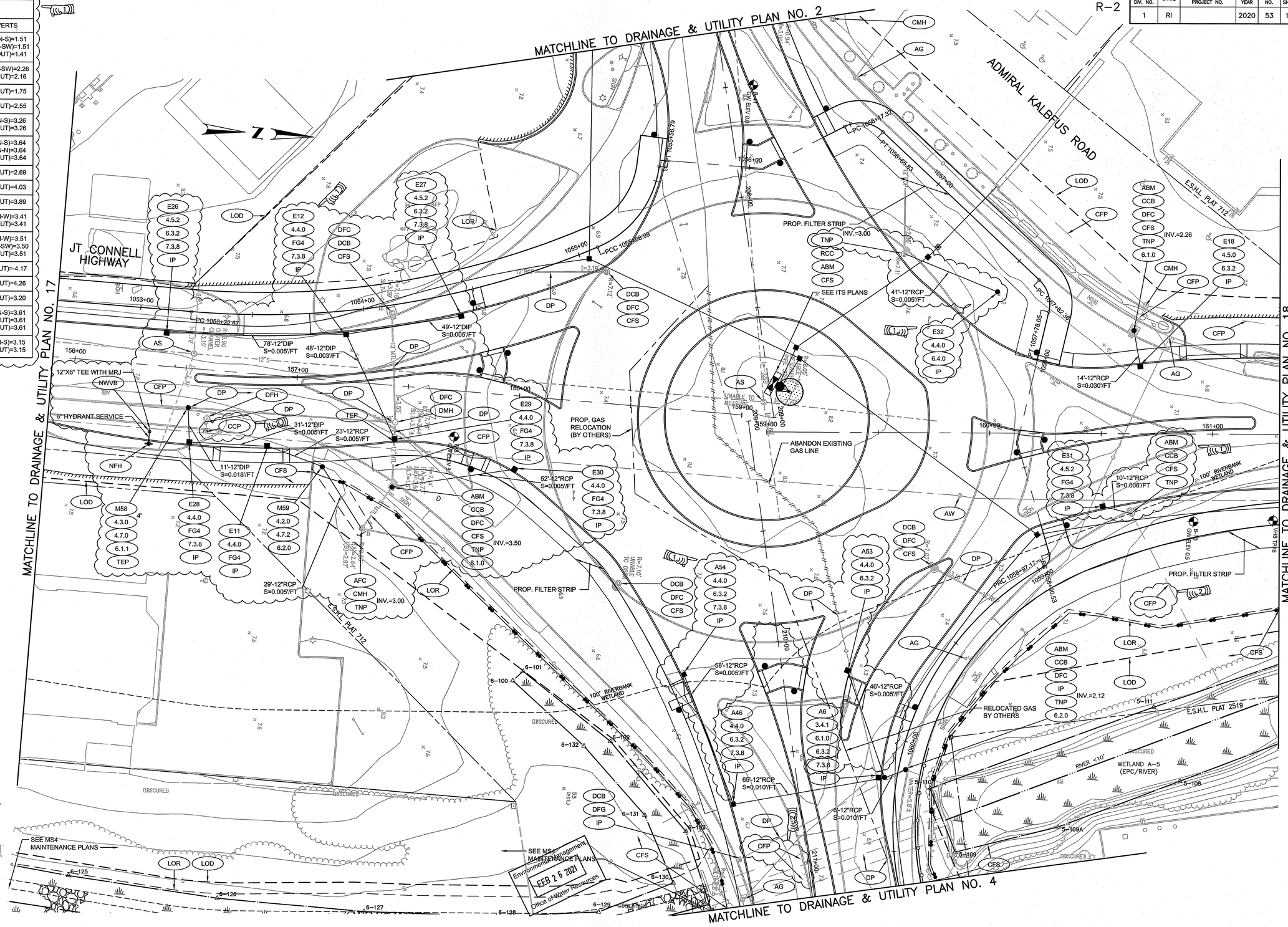
0050B_V1_052_DRAINUTL002

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 53 | 127 |

R-2

## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| A6 | STA. 210+67, -39' LT. | RIM=7.07 | INV.(IN-S)=1.51<br>INV.(IN-SW)=1.51<br>INV.(OUT)=1.41 |
| A46 | STA. 210+70, 30' RT. | RIM=6.34 | INV.(IN-SW)=2.26<br>INV.(OUT)=2.16 |
| A53 | STA. 210+18, -29' LT. | RIM=7.10 | INV.(OUT)=1.75 |
| A54 | STA. 210+09, 44' RT. | RIM=6.81 | INV.(OUT)=2.55 |
| E11 | STA. 156+89, 32' RT. | RIM=6.26 | INV.(IN-S)=3.26<br>INV.(OUT)=3.26 |
| E12 | STA. 157+20, -21' LT. | RIM=6.64 | INV.(IN-S)=3.64<br>INV.(IN-N)=3.64<br>INV.(OUT)=3.64 |
| E18 | STA. 160+67, -30' LT. | RIM=6.86 | INV.(OUT)=2.69 |
| E26 | STA. 156+40, -15' LT. | RIM=6.90 | INV.(OUT)=4.03 |
| E27 | STA. 157+71, -34' LT. | RIM=7.07 | INV.(OUT)=3.89 |
| E28 | STA. 156+54, 33' RT. | RIM=6.43 | INV.(IN-W)=3.41<br>INV.(OUT)=3.41 |
| E29 | STA. 157+46, 24' RT. | RIM=6.61 | INV.(IN-W)=3.51<br>INV.(IN-SW)=3.50<br>INV.(OUT)=3.51 |
| E30 | STA. 158+00, 33' RT. | RIM=7.46 | INV.(OUT)=-4.17 |
| E31 | STA. 160+51, 33' RT. | RIM=6.93 | INV.(OUT)=4.26 |
| E32 | STA. 160+03, -63' LT. | RIM=6.41 | INV.(OUT)=3.20 |
| M58 | STA. 156+52, 18' RT. | RIM=6.75 | INV.(IN-S)=3.61<br>INV.(OUT)=3.61<br>INV.(OUT)=3.61 |
| M59 | STA. 157+14, 39' RT. | RIM=6.62 | INV.(IN-S)=3.15<br>INV.(OUT)=3.15 |




Kindly be advised that this Permit is subject to a verification to the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED AS SPECIFIED IN THE CONDITIONS
APPROVAL DATED MAY 21 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 7


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 53
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

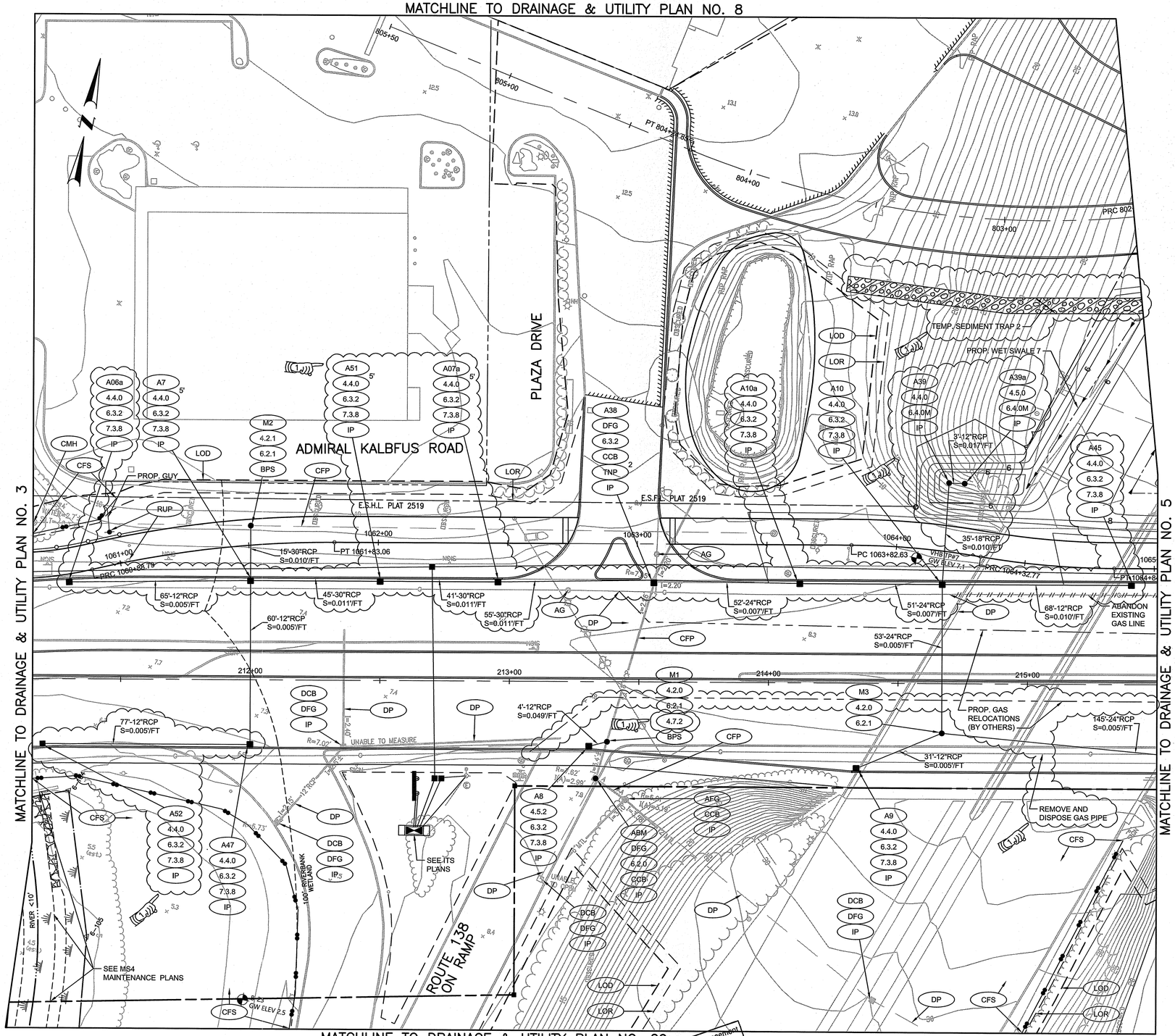
# DRAINAGE & UTILITY PLAN NO. 3

0050B_V1_053_DRAINUTL003_ADD07

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 54 | 127 |

R-1

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 8




MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 3

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 29

## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| A06a | STA. 211+30, -38' LT. | RIM=6.74 | INV.(OUT)=2.38 |
| A7 | STA. 212+00, -39' LT. | RIM=6.93 | INV.(IN-E)=0.65<br>INV.(IN-S)=2.05<br>INV.(IN-W)=2.05<br>INV.(OUT)=0.55 |
| A07a | STA. 212+96, -39' LT. | RIM=7.53 | INV.(IN-E)=1.58<br>INV.(OUT)=1.58 |
| A8 | STA. 213+31, 25' RT. | RIM=8.11 | INV.(OUT)=5.00 |
| A9 | STA. 214+34, 33' RT. | RIM=8.82 | INV.(OUT)=4.81 |
| A10 | STA. 214+67, -39' LT. | RIM=9.03 | INV.(IN-S)=3.39<br>INV.(IN-N)=3.45<br>INV.(IN-E)=4.29<br>INV.(OUT)=3.29 |
| A10a | STA. 214+12, -39' LT. | RIM=8.57 | INV.(IN-E)=2.93<br>INV.(OUT)=2.93 |
| A38 | STA. 213+56, -39' LT. | RIM=8.12 | INV.(IN-E)=2.56<br>INV.(IN-S)=2.26<br>INV.(OUT)=2.16 |
| A39 | STA. 214+69, -78' LT. | RIM=7.20 | INV.(IN-E)=3.85<br>INV.(OUT)=3.80 |
| A39a | STA. 214+75, -77' LT. | RIM=7.20 | INV.(OUT)=3.90 |
| A45 | STA. 215+40, -39' LT. | RIM=9.65 | INV.(OUT)=4.98 |
| A47 | STA. 212+00, 25' RT. | RIM=7.05 | INV.(IN-W)=2.46<br>INV.(OUT)=2.36 |
| A51 | STA. 212+50, -39' LT. | RIM=7.09 | INV.(IN-E)=1.13<br>INV.(OUT)=1.13 |
| A52 | STA. 211+20, 25' RT. | RIM=6.60 | INV.(OUT)=2.85 |
| M1 | STA. 213+38, 23' RT. | RIM=9.13 | INV.(IN-S)=3.23<br>INV.(IN-SW)=4.80<br>INV.(OUT)=3.17 |
| M2 | STA. 212+00, -60' LT. | RIM=8.34 | INV.(IN-S)=0.40<br>INV.(IN-E)=-0.07<br>INV.(OUT)=-0.09 |
| M3 | STA. 214+67, 19' RT. | RIM=9.38 | INV.(IN-E)=3.75<br>INV.(IN-SW)=4.65<br>INV.(OUT)=3.65 |

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 54
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

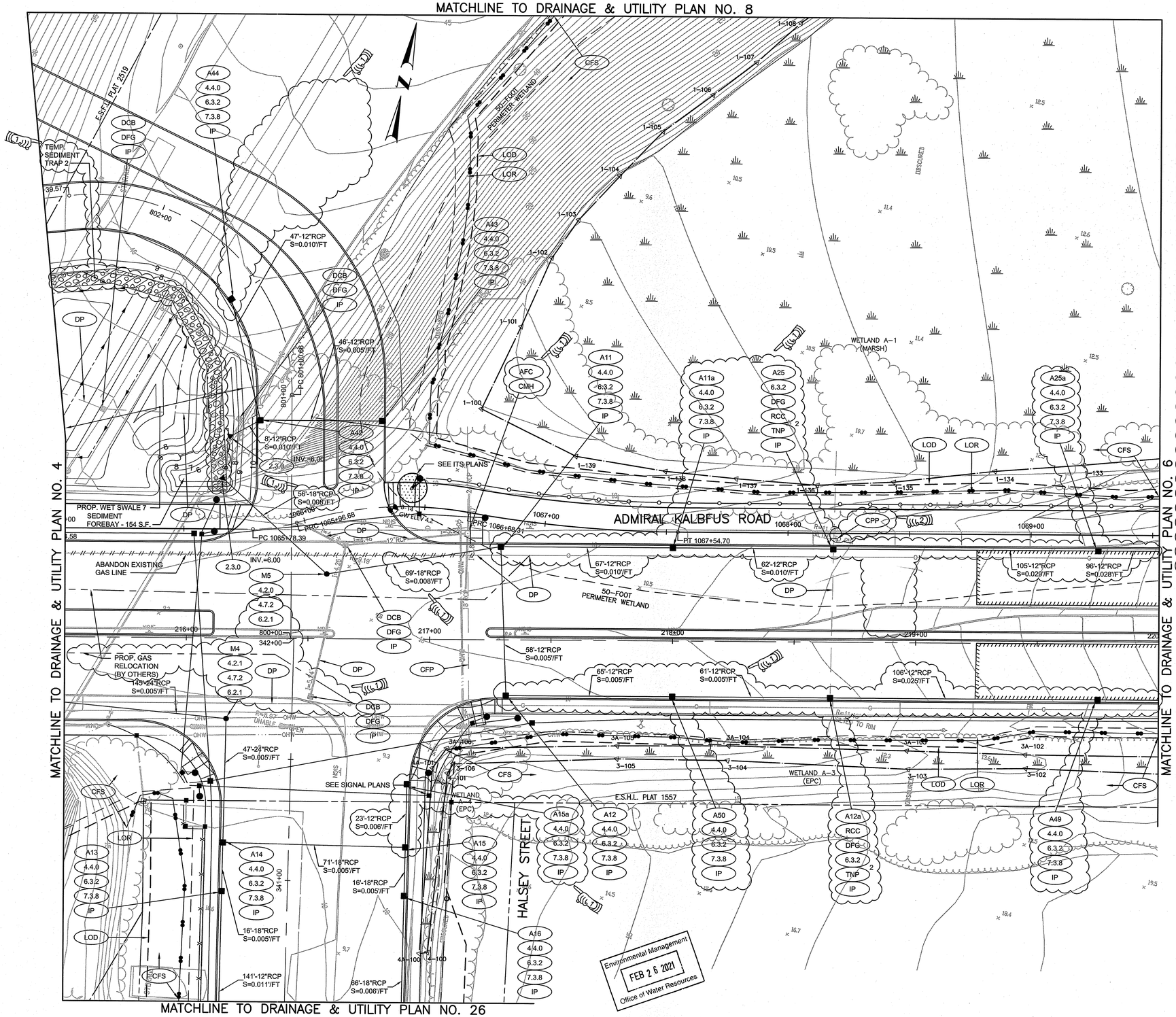
# DRAINAGE & UTILITY PLAN NO. 4

0050B_V1_054_DRAINUTL004

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 8

R-2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 55 | 127 |




| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| A11 | STA. 217+29, -39' LT. | RIM=11.26 | INV.(IN-S)=7.35<br>INV.(IN-E)=7.35<br>INV.(OUT)=7.10 |
| A11a | STA. 218+00, -38' LT. | RIM=11.86 | INV.(IN-E)=8.04<br>INV.(OUT)=8.04 |
| A12 | STA. 217+32, 23' RT. | RIM=11.54 | INV.(IN-E)=7.74<br>INV.(OUT)=7.64 |
| A12a | STA. 218+65, 23' RT. | RIM=12.82 | INV.(IN-E)=8.49<br>INV.(OUT)=8.39<br>INV.(OUT)=7.10 |
| A13 | STA. 216+15, 104' RT. | RIM=9.76 | INV.(IN-S)=5.86<br>INV.(OUT)=5.36 |
| A14 | STA. 216+15, 84' RT. | RIM=9.71 | INV.(IN-E)=4.91<br>INV.(IN-S)=5.28<br>INV.(OUT)=4.81 |
| A15 | STA. 216+91, 86' RT. | RIM=9.29 | INV.(IN-S)=5.37<br>INV.(IN-N)=5.37<br>INV.(OUT)=5.27 |
| A15a | STA. 216+91, 60' RT. | RIM=9.44 | INV.(OUT)=5.50 |
| A16 | STA. 216+90, 106' RT. | RIM=9.34 | INV.(IN-S)=5.55<br>INV.(OUT)=5.45 |
| A25 | STA. 218+66, -39' LT. | RIM=13.11 | INV.(IN-E)=8.78<br>INV.(IN-S)=6.80<br>INV.(OUT)=8.68<br>INV.(OUT)=6.80 |
| A25a | STA. 219+75, -38' LT. | RIM=15.98 | INV.(IN-E)=11.81<br>INV.(OUT)=11.81 |
| A42 | STA. 216+30, -90' LT. | RIM=9.63 | INV.(IN-NW)=6.18<br>INV.(IN-E)=6.18<br>INV.(OUT)=6.08 |
| A43 | STA. 216+80, -90' LT. | RIM=9.84 | INV.(OUT)=6.41 |
| A44 | STA. 216+18, -140' LT. | RIM=10.54 | INV.(OUT)=6.65 |
| A49 | STA. 219+75, 23' RT. | RIM=15.82 | INV.(OUT)=11.14 |
| A50 | STA. 218+00, 23' RT. | RIM=12.12 | INV.(IN-E)=8.07<br>INV.(OUT)=8.07 |
| M4 | STA. 216+17, 33' RT. | RIM=10.36 | INV.(IN-S)=4.57<br>INV.(OUT)=4.47 |
| M5 | STA. 216+58, -27' LT. | RIM=10.88 | INV.(IN-E)=6.55<br>INV.(OUT)=6.45 |

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATIONS
AS SPECIFIED APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 7


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 55
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 5

0050B_V1_055_DRAINUTL005_ADD07

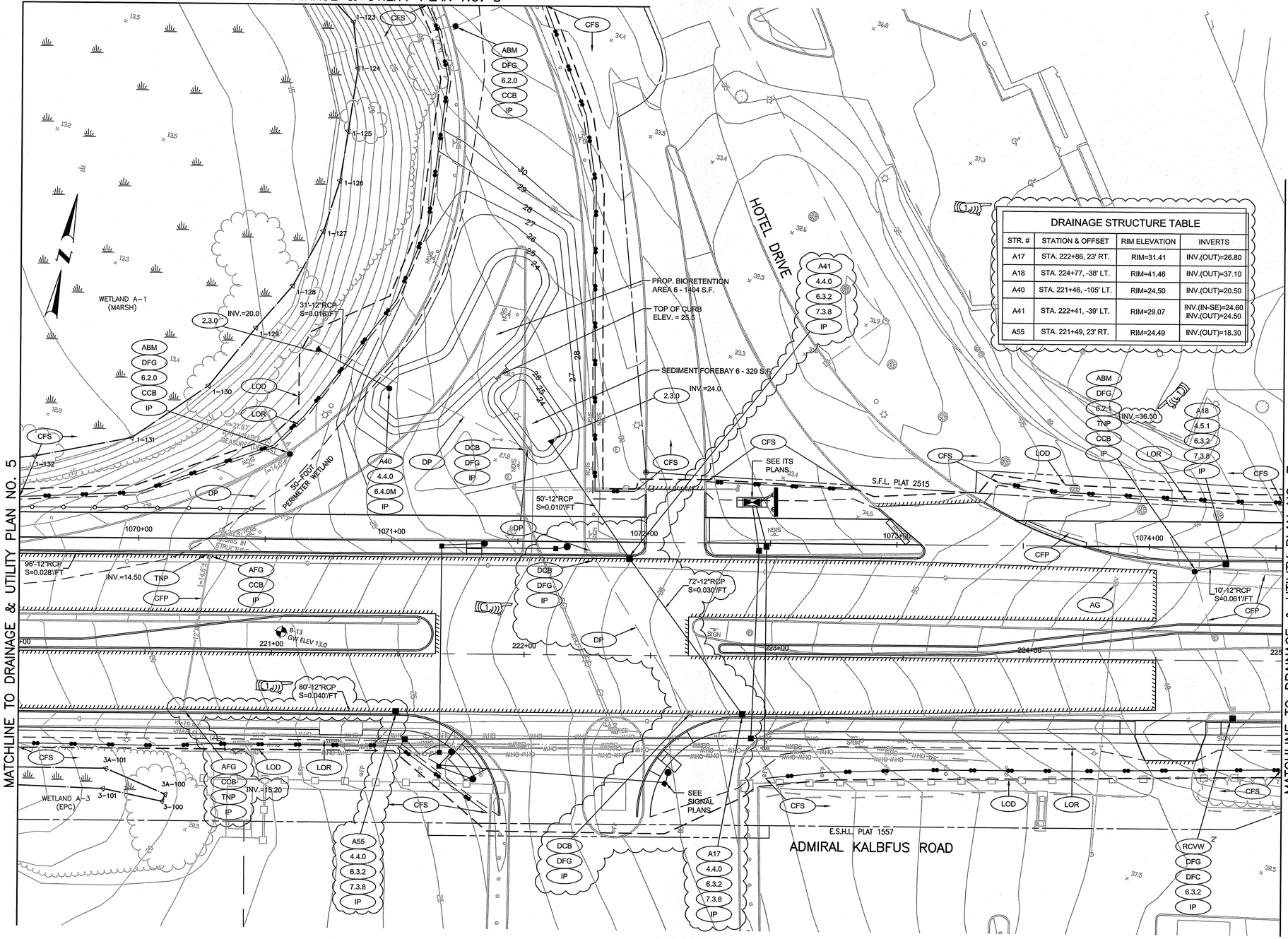
R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 56 | 127 |

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 8

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 7




## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| A17 | STA. 222+86, 23' RT. | RIM=31.41 | INV.(OUT)=26.80 |
| A18 | STA. 224+77, -38' LT. | RIM=41.46 | INV.(OUT)=37.10 |
| A40 | STA. 221+46, -105' LT. | RIM=24.50 | INV.(OUT)=20.50 |
| A41 | STA. 222+41, -39' LT. | RIM=29.07 | INV.(IN-SE)=24.60<br>INV.(OUT)=24.50 |
| A55 | STA. 221+49, 23' RT. | RIM=24.49 | INV.(OUT)=18.30 |

Kindly be advised that this Permit is subject to a verification to the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATIONS
AS SPECIFIED APPROVAL
DATED MAY 27 2021 20-0056
NO CHANGES ALLOWED PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 56
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 6

0050B_V1_056_DRAINUTL006

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 57 | 127 |

## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| A19 | STA. 226+40, 80' RT. | RIM=50.81 | INV.(OUT)=46.80 |
| A20 | STA. 226+65, 73' RT. | RIM=50.99 | INV.(IN-SW)=46.58<br>INV.(OUT)=46.48 |
| A22 | STA. 227+16, 23' RT. | RIM=51.97 | INV.(IN-E)=47.60<br>INV.(OUT)=47.50 |
| A22a | STA. 228+20, 23' RT. | RIM=57.10 | INV.(OUT)=52.00 |
| A23 | STA. 226+70, -34' LT. | RIM=50.43 | INV.(OUT)=47.40 |
| A24 | STA. 227+90, -27' LT. | RIM=55.41 | INV.(OUT)=51.75 |
| A26 | STA. 230+00, -15' LT. | RIM=67.78 | INV.(IN-E)=62.16<br>INV.(OUT)=61.95 |
| M17 | STA. 226+76, 33' RT. | RIM=50.96 | INV.(IN-S)=45.50<br>INV.(IN-NE)=46.00<br>INV.(OUT)=45.00 |
| M19 | STA. 227+89, -15' LT. | RIM=55.58 | INV.(IN-E)=51.10<br>INV.(IN-N)=51.50<br>INV.(OUT)=51.00 |

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 6

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 8

GIRARD DRIVE

ADMIRAL KALBFUS ROAD

MALBONE ROAD

E.S.H.L. PLAT 705

SEE SIGNAL PLANS

PC 2004+49.08

PT 2004+21.73

PC 1074+72.38

1075+27

1075+00

1075+23.94

PRC 2003+04.55

PRC 2002+39.25

PCC 228+60.98

PCC 200

5'-12"RCP S=0.067'/FT

8'-12"RCP S=0.031'/FT

36'-12"RCP S=0.042'/FT

98'-12"RCP S=0.045'/FT

37'-12"RCP S=0.026'/FT

22'-12"RCP S=0.010'/FT

12" 22.5° BEND WITH MRJ

12" 45° BEND WITH MRJ

PROP. 12" DIP WITH MRJ

PG 226+61.55

INV.=47.05

CFS CFP DFG DP AG AW RUP LOR LOD NWVB ABM DFC CCB TNP IP AFG BPS

226+00 227+00 228+00 229+00 230+00 2003+00 2004+00

Kindly be advised that this Permit is subject to all verification and to the extent of freshwater wetlands on site.

Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED AS SPECIFIED CONDITIONS
DATED MAY 27 2021 APPROVAL
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
30-0256

ADDENDUM NO. 5

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 57
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 7

0050B_V1_057_DRAINUTL007

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 58 | 127 |

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATION
AS SPECIFIED APPROVAL
DATED MAY 27 2021 20-0056
NO CHANGES ALLOWED PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 18

MATCHLINE TO BELOW

RK NEWPORT TOWNE CENTER PLAZA

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 4

MATCHLINE TO ABOVE

OFF RAMP

50-FOOT PERIMETER WETLAND

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 6

Environmental Management
FEB 26 2021
Office of Water Resources

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 58
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| | | | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

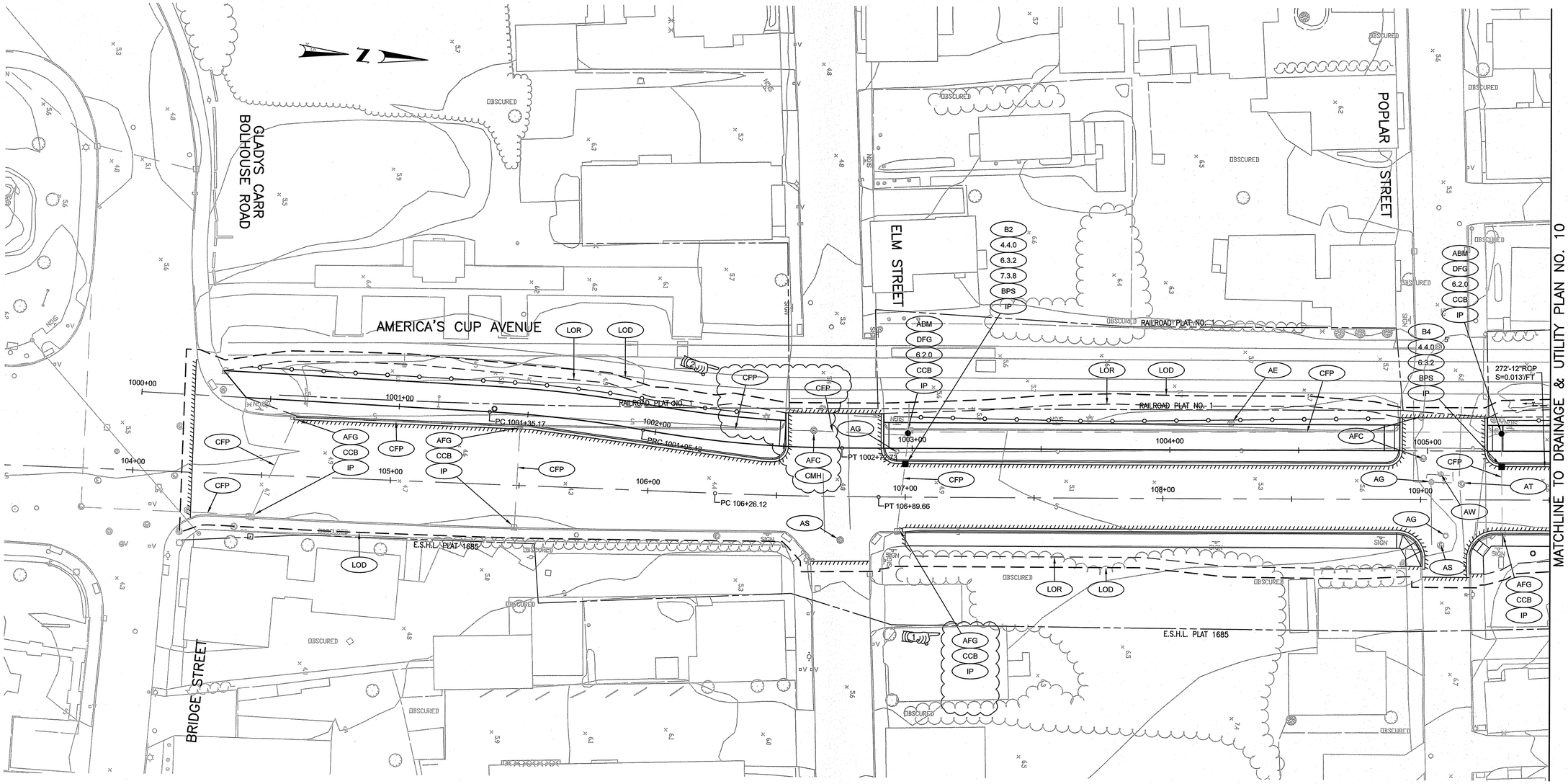
# DRAINAGE & UTILITY PLAN NO. 8

0050B_V1_058_DRAINUTL008

R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 59 | 127 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| B2 | STA. 107+00, -13' LT. | RIM=4.96 | INV.(IN-E)=0.35<br>INV.(OUT)=0.35 |
| B4 | STA. 109+31, -13' LT. | RIM=6.29 | INV.(IN-E)=0.67<br>INV.(IN-N)=2.65<br>INV.(OUT)=0.64 |




ADDENDUM NO. 7

Environmental Management
FEB 25 2021
Office of Water Resources

Kindly be advised that this Permit [illegible] to a verification [illegible] extent of freshwa[illegible]s on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF [illegible] RESOURCES
FRESHW[illegible] PROGRAM
AP[illegible] ONS
AS SPEC[illegible] PPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALL[illegible] PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 59
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 9

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 60 | 127 |

R-1

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 9

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 30

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 11

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 21 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

AMERICA'S CUP AVENUE

MADISON COURT

BRAMAN STREET

FAREWELL STREET

E.S.H.L. PLAT 1685

LOR

LOD

CFP

DP

CPP

AS

AW

AFG

CCB

IP

DCB

DFG

RCC

TNP

M30 4.2.0 6.2.0

M31 4.2.0 6.2.0

M32 4.2.0 6.2.0

M33 4.2.0 6.2.0

M34 4.2.0 6.2.0

B5 RCC DFG 6.3.2 7.3.8 IP

B6 4.4.0 6.3.2 7.3.8 IP

B7 4.4.0 6.4.0M IP

B8 4.4.0 6.3.2 7.3.8 IP

B9 4.4.0 6.3.2 7.3.8 IP

B10 4.4.0 6.3.2 7.3.8 IP

B11 RCC DFG 6.3.2 7.3.8 TNP IP

B13 4.4.0 6.3.2 7.3.8 IP

B14 4.4.0 6.3.2 7.3.8 IP

B15 4.4.0 6.3.2 7.3.8 IP

M23 4.2.1 6.2.1

M54 4.2.0 6.2.0

8.3.0

2.3.0

272'-12"RCP S=0.013'/FT

67'-12"RCP S=0.026'/FT

92'-12"RCP S=0.038'/FT

108'-12"RCP S=0.036'/FT

9'-12"RCP S=0.010'/FT

46'-12"RCP S=0.019'/FT

87'-12"RCP S=0.045'/FT

185'-12"RCP S=0.005'/FT

112'-12"RCP S=0.010'/FT

68'-12"RCP S=0.005'/FT

11'-18"RCP S=0.010'/FT

8'-12"RCP S=0.006'/FT

60'-18"RCP S=0.009'/FT

14'-12"RCP S=0.047'/FT

61'-18"RCP S=0.007'/FT

36'-12"DIP S=0.014'/FT

BIORETENTION BASIN 3 1290 S.F.

TOP OF CURB ELEV 17.3
SEDIMENT FOREBAY 90 SF

INV.=15.0

SEE ITS PLANS

SEE SIGNAL PLANS

PC 1007+70.50

PT 1011+39.80

PRC 1010+70.43

PRC 1008+29.64

PC 3001+11.71

PT 3001+75.24

PT 116+24.37

1006+00 1007+00 1008+00 1009+00 1010+00 1011+00 110+00 111+00 112+00 113+00 114+00 115+00 116+00 300+00 300+50

DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| B5 | STA. 111+26, 13' RT. | RIM=7.65 | INV.(IN-N)=3.30<br>INV.(OUT)=2.30 |
| B6 | STA. 111+99, 15' RT. | RIM=9.10 | INV.(IN-NE)=5.10<br>INV.(OUT)=5.00 |
| B7 | STA. 113+39, -25' LT. | RIM=14.20 | INV.(OUT)=10.86 |
| B8 | STA. 113+24, 23' RT. | RIM=13.57 | INV.(IN-NE)=9.10<br>INV.(OUT)=9.00 |
| B9 | STA. 114+20, 29' RT. | RIM=17.58 | INV.(OUT)=13.00 |
| B10 | STA. 114+50, -13' LT. | RIM=18.99 | INV.(OUT)=15.50 |
| B11 | STA. 115+95, -12' LT. | RIM=21.60 | INV.(IN-N)=16.40<br>INV.(IN-E)=18.00<br>INV.(OUT)=16.30 |
| B13 | STA. 115+29, 26' RT. | RIM=20.79 | INV.(OUT)=17.50 |
| B14 | STA. 115+25, -13' LT. | RIM=20.73 | INV.(IN-E)=17.00<br>INV.(OUT)=16.90 |
| B15 | STA. 110+25, 13' RT. | RIM=6.95 | INV.(IN-N)=1.77<br>INV.(OUT)=1.77 |
| M23 | STA. 114+50, -25' LT. | RIM=19.44 | INV.(IN-NE)=15.21<br>INV.(IN-SE)=15.45<br>INV.(OUT)=15.11 |
| M30 | STA. 112+04, -18' LT. | RIM=10.21 | INV.(IN-N)=6.23<br>INV.(OUT)=6.13 |
| M31 | STA. 113+35, -130' LT. | RIM=20.03 | INV.(IN-N)=11.47<br>INV.(OUT)=11.37 |
| M32 | STA. 113+71, -83' LT. | RIM=18.48 | INV.(IN-W)=11.03<br>INV.(OUT)=10.93 |
| M33 | STA. 112+90, -29' LT. | RIM=14.31 | INV.(IN-N)=9.81<br>INV.(IN-E)=9.81<br>INV.(OUT)=9.71 |
| M34 | STA. 112+94, -16' LT. | RIM=13.78 | INV.(IN-NE)=10.00<br>INV.(OUT)=9.90 |
| M54 | STA. 115+25, -30' LT. | RIM=20.96 | INV.(IN-NE)=15.85<br>INV.(IN-SE)=16.25<br>INV.(OUT)=15.75 |

Environmental Management
FEB 2 6 2021
Office of Water Resources

ADDENDUM NO. 5

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 60
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

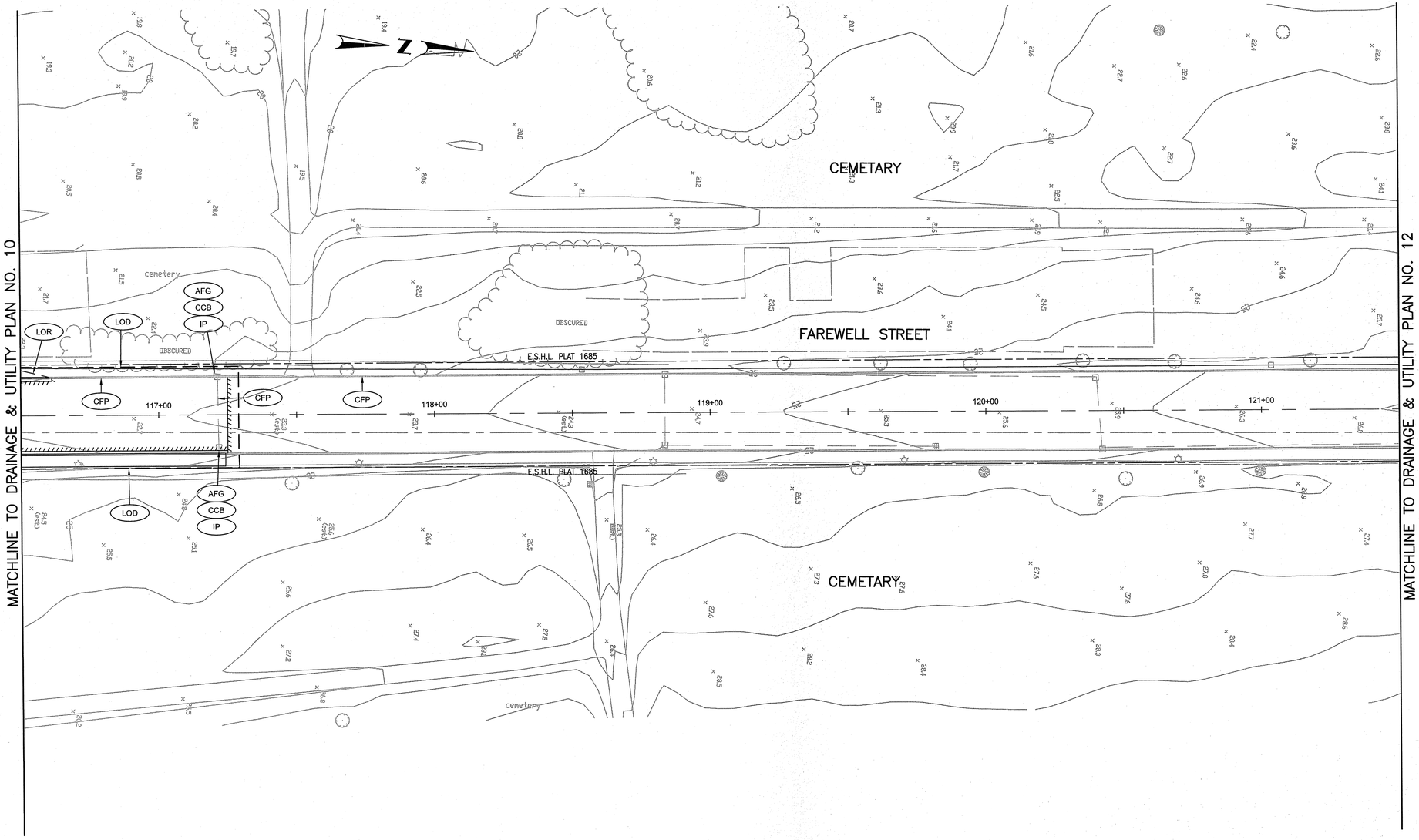
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 10

0050B_V1_060_DRAINUTL010

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 61 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 61
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
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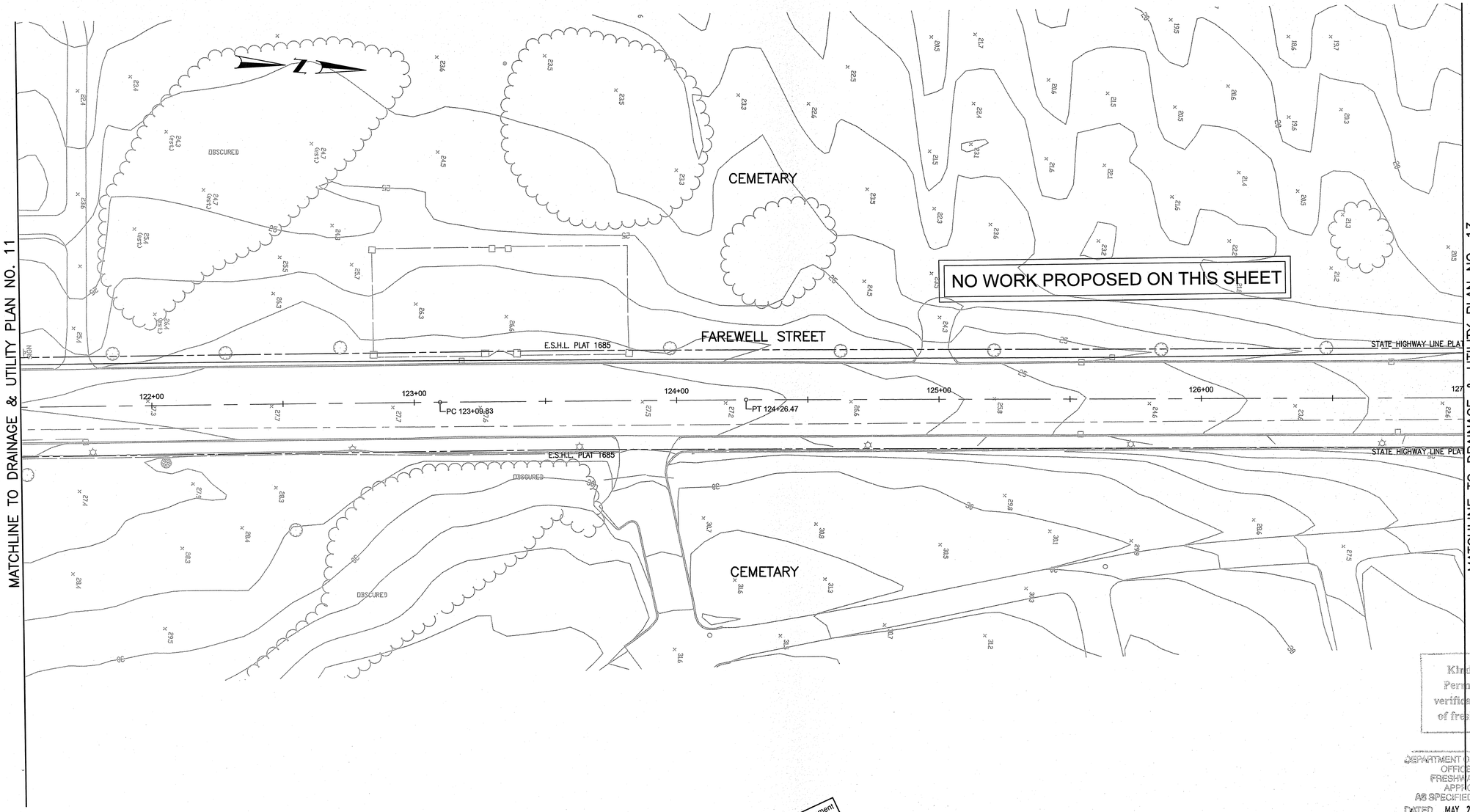
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 11

0050B_V1_061_DRAINUTL011

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 62 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 62
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
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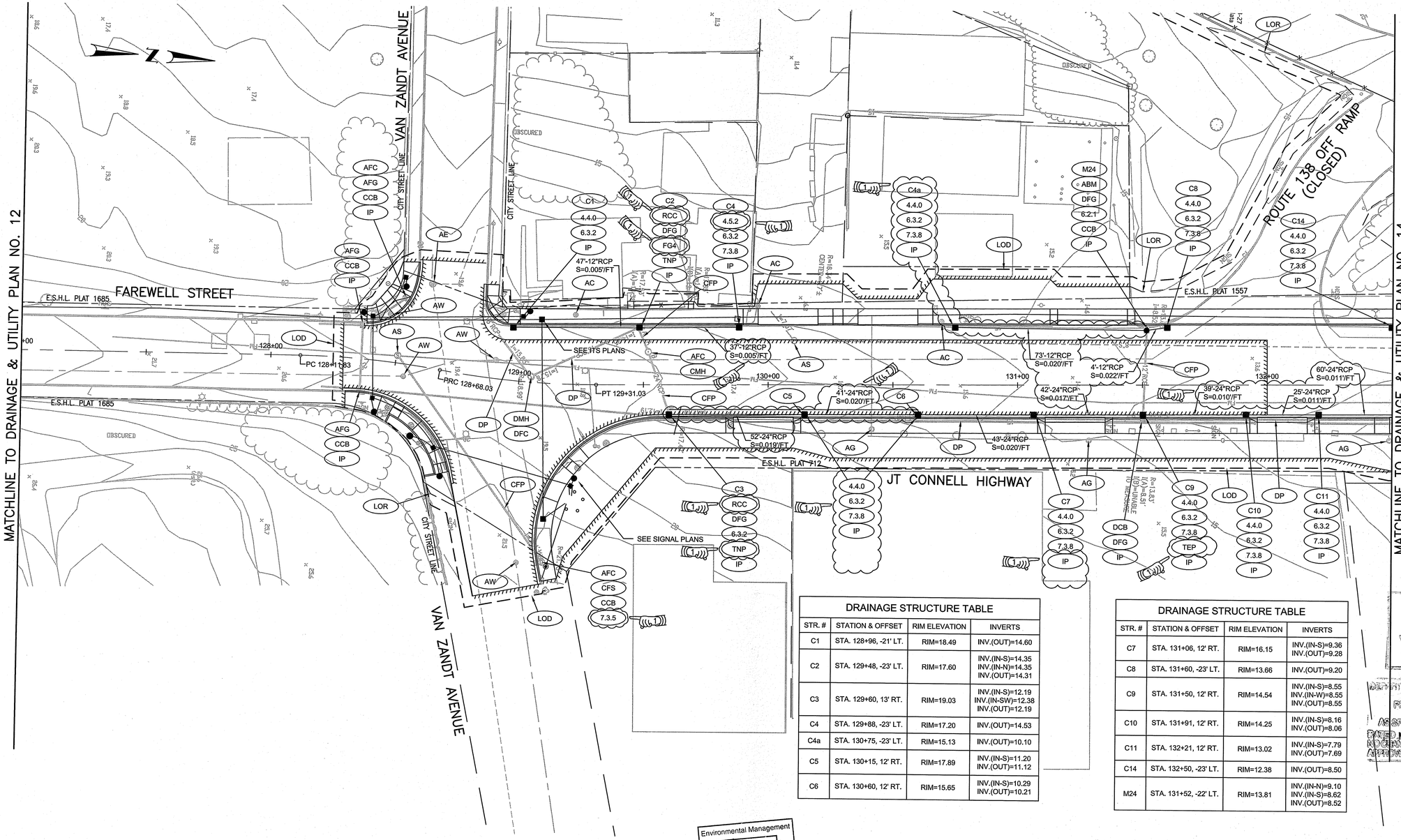
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 12

0050B_V1_062_DRAINUTL012

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 63 | 127 |




| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C1 | STA. 128+96, -21' LT. | RIM=18.49 | INV.(OUT)=14.60 |
| C2 | STA. 129+48, -23' LT. | RIM=17.60 | INV.(IN-S)=14.35<br>INV.(IN-N)=14.35<br>INV.(OUT)=14.31 |
| C3 | STA. 129+60, 13' RT. | RIM=19.03 | INV.(IN-S)=12.19<br>INV.(IN-SW)=12.38<br>INV.(OUT)=12.19 |
| C4 | STA. 129+88, -23' LT. | RIM=17.20 | INV.(OUT)=14.53 |
| C4a | STA. 130+75, -23' LT. | RIM=15.13 | INV.(OUT)=10.10 |
| C5 | STA. 130+15, 12' RT. | RIM=17.89 | INV.(IN-S)=11.20<br>INV.(OUT)=11.12 |
| C6 | STA. 130+60, 12' RT. | RIM=15.65 | INV.(IN-S)=10.29<br>INV.(OUT)=10.21 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C7 | STA. 131+06, 12' RT. | RIM=16.15 | INV.(IN-S)=9.36<br>INV.(OUT)=9.28 |
| C8 | STA. 131+60, -23' LT. | RIM=13.66 | INV.(OUT)=9.20 |
| C9 | STA. 131+50, 12' RT. | RIM=14.54 | INV.(IN-S)=8.55<br>INV.(IN-W)=8.55<br>INV.(OUT)=8.55 |
| C10 | STA. 131+91, 12' RT. | RIM=14.25 | INV.(IN-S)=8.16<br>INV.(OUT)=8.06 |
| C11 | STA. 132+21, 12' RT. | RIM=13.02 | INV.(IN-S)=7.79<br>INV.(OUT)=7.69 |
| C14 | STA. 132+50, -23' LT. | RIM=12.38 | INV.(OUT)=8.50 |
| M24 | STA. 131+52, -22' LT. | RIM=13.81 | INV.(IN-N)=9.10<br>INV.(IN-S)=8.62<br>INV.(OUT)=8.52 |

Environmental Management
FEB 2 6 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FW# 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT JOB SITE DURING CONSTRUCTION

ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 63
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 13

0050B_V1_063_DRAINUTL013

R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 64 | 127 |

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 13

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 15

ROUTE 138 OFF RAMP (CLOSED)

ROUTE 138 EB

ROUTE 138 WB

JT CONNELL HIGHWAY

E.S.H.L. PLAT 1557

E.S.F.L. PLAT 1557

PROP. BIORETENTION AREA 5 - 608 S.F.
PC 3001+24.83
STONE DIAPHRAGM (2.5'X2.5'X168')

PT 3002+56.73

PT 3001+96.80
PC 3002+02.64

79'-12"RCP S=0.014'/FT

96'-12"RCP S=0.016'/FT

96'-12"RCP S=0.011'/FT

96'-12"RCP S=0.005'/FT

46'-12"RCP S=0.005'/FT

16'-12"RCP S=0.007'/FT

31'-12"RCP S=0.016'/FT

60'-24"RCP S=0.011'/FT

60'-24"RCP S=0.017'/FT

70'-30"RCP S=0.005'/FT

70'-30"RCP S=0.005'/FT

45'-30"RCP S=0.005'/FT

69'-30"RCP S=0.005'/FT

66'-30"RCP S=0.005'/FT

PLACED RIP RAP SLOPE 15'-12"RCP S=0.034'/FT

SEDIMENT FOREBAY 4A - 219 S.F.
INV.=12
TOP OF CURB ELEV. 9.5

12" 45° BEND WITH MRJ

PROP. 12" DIP WITH MRJ

INV.=3.62

WETLAND A–13 (EPC)

SEE ITS PLANS

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C12 | STA. 132+85, 12' RT. | RIM=13.48 | INV.(IN-S)=7.00<br>INV.(OUT)=6.90 |
| C13 | STA. 133+50, 12' RT. | RIM=11.18 | INV.(IN-S)=5.90<br>INV.(OUT)=5.90 |
| C15 | STA. 133+50, -23' LT. | RIM=10.95 | INV.(IN-S)=7.00<br>INV.(OUT)=6.90 |
| C15a | STA. 134+50, -23' LT. | RIM=9.53 | INV.(IN-S)=5.81<br>INV.(OUT)=5.71 |
| C16 | STA. 134+25, 12' RT. | RIM=11.98 | INV.(IN-S)=5.55<br>INV.(OUT)=4.88 |
| C17 | STA. 135+00, 12' RT. | RIM=9.03 | INV.(IN-S)=4.53<br>INV.(OUT)=4.53 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C18 | STA. 135+50, 12' RT. | RIM=8.46 | INV.(IN-S)=4.30<br>INV.(OUT)=4.30 |
| C19 | STA. 136+24, 12' RT. | RIM=10.05 | INV.(IN-S)=3.95<br>INV.(IN-W)=4.25<br>INV.(OUT)=3.95 |
| C20 | STA. 135+74, -102' LT. | RIM=10.33 | INV.(OUT)=6.00 |
| C21 | STA. 136+00, -23' LT. | RIM=7.93 | INV.(IN-SW)=4.90<br>INV.(IN-S)=4.90<br>INV.(OUT)=4.80 |
| C21a | STA. 135+50, -23' LT. | RIM=8.24 | INV.(IN-S)=5.23<br>INV.(OUT)=5.13 |
| C22 | STA. 136+20, -23' LT. | RIM=9.07 | INV.(IN-S)=4.69<br>INV.(OUT)=4.74 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C23 | STA. 137+21, 13' RT. | RIM=7.51 | INV.(IN-S)=3.42<br>INV.(OUT)=3.42 |
| C24 | STA. 137+48, 12' RT. | RIM=7.45 | INV.(IN-S)=3.31<br>INV.(OUT)=3.31 |
| C37 | STA. ???, ???' ???T. | RIM=7.67 | INV.(IN-S)=3.06<br>INV.(OUT)=3.06 |
| M25 | STA. 136+95, 13' RT. | RIM=9.58 | INV.(IN-S)=3.62<br>INV.(OUT)=3.62 |
| M55 | STA. 137+89, -86' LT. | RIM=20.02 | INV.(IN-SE)=15.00<br>INV.(OUT)=12.50 |

OBSCURED

OBSCURED

Environmental Management
FEB 2 6 2021
Office of Water Resources

ADDENDUM NO. 7

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 64
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

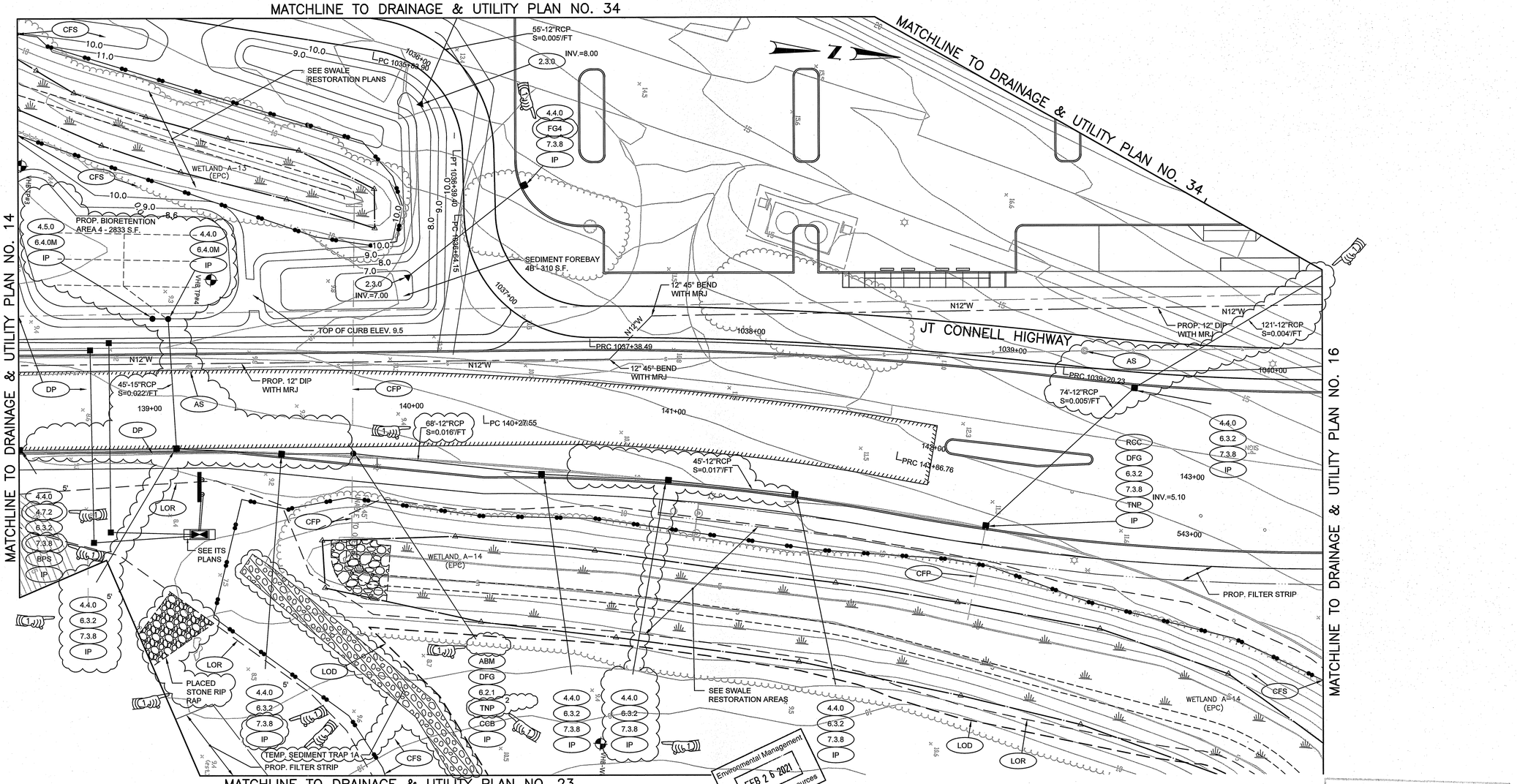
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 14

0050B_V1_064_DRAINUTL014_ADD07

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 65 | 127 |




| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C25 | STA. 138+50, 13' RT. | RIM=8.10 | INV.(IN-S)=2.82<br>INV.(OUT)=2.82 |
| C26 | STA. 139+50, 14' RT. | RIM=8.96 | INV.(IN-S)=2.45<br>INV.(OUT)=2.41 |
| C27 | STA. 140+50, 23' RT. | RIM=9.83 | INV.(IN-N)=5.39<br>INV.(OUT)=5.29 |
| C28 | STA. 141+50, 23' RT. | RIM=10.88 | INV.(OUT)=6.90 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C30 | STA. 142+75, -36' LT. | RIM=12.66 | INV.(IN-NW)=5.56<br>INV.(OUT)=5.46 |
| C31 | STA. 139+07, -38' LT. | RIM=9.00 | INV.(IN-S)=5.55<br>INV.(OUT)=5.50 |
| C31a | STA. 139+01, -38' LT. | RIM=9.00 | INV.(OUT)=5.60 |
| C35 | STA. 140+43, -88' LT. | RIM=10.24 | INV.(OUT)=7.26 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C36 | STA. 141+00, 23' RT. | RIM=10.36 | INV.(IN-N)=6.14<br>INV.(OUT)=6.04 |
| C38 | STA. 139+10, 12' RT. | RIM=8.65 | INV.(IN-S)=2.60<br>INV.(IN-W)=4.50<br>INV.(OUT)=2.60 |
| M26 | STA. 139+77, 15' RT. | RIM=9.24 | INV.(IN-S)=2.30<br>INV.(IN-W)=2.32<br>INV.(IN-N)=4.20<br>INV.(OUT)=2.20 |

Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 65
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 15

0050B_V1_065_DRAINUTL015

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 66 | 127 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C34 | STA. 143+90, -102' LT. | RIM=9.19 | INV.(OUT)=6.03 |
| D15 | STA. 401+27, -15' LT. | RIM=10.37 | INV.(IN-E)=7.30<br>INV.(IN-SE)=7.30<br>INV.(OUT)=7.28 |
| D16 | STA. 401+07, -15' LT. | RIM=11.57 | INV.(IN-E)=7.20<br>INV.(OUT)=7.18 |
| D17 | STA. 401+08, -72' LT. | RIM=8.60 | INV.(OUT)=5.40 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| D22 | STA. 400+92, 53' RT. | RIM=11.20 | INV.(OUT)=7.94 |
| E1 | STA. 146+93, -35' LT. | RIM=6.17 | INV.(OUT)=2.85 |
| E2 | STA. 147+28, -35' LT. | RIM=6.42 | INV.(IN-S)=2.70<br>INV.(IN-W)=2.62<br>INV.(OUT)=2.62 |
| E3 | STA. 146+93, 15' RT. | RIM=6.58 | INV.(IN-S)=2.78<br>INV.(OUT)=2.68 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| E3a | STA. 146+25, 15' RT. | RIM=7.18 | INV.(IN-SW)=3.20<br>INV.(OUT)=3.10 |
| E4 | STA. 147+25, 15' RT. | RIM=6.62 | INV.(IN-W)=2.44<br>INV.(IN-S)=2.54<br>INV.(OUT)=2.42 |
| E19 | STA. 146+00, -36' LT. | RIM=7.28 | INV.(OUT)=3.47 |

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 34

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 15

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 17

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 27

JT CONNELL HIGHWAY

CONNECTOR ROAD

ADDENDUM NO. 5

Environmental Management
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Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 66
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 16

0050B_V1_066_DRAINUTL016

R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 67 | 127 |

(1)

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| E5 | STA. 149+43, -17' LT. | RIM=6.90 | INV.(OUT)=4.05 |
| E6 | STA. 149+50, 15' RT. | RIM=6.94 | INV.(OUT)=3.95 |
| E7 | STA. 153+28, -15' LT. | RIM=6.67 | INV.(OUT)=4.55 |
| E8 | STA. 153+28, 15' RT. | RIM=6.93 | INV.(OUT)=4.40 |
| E9 | STA. 155+48, -15' LT. | RIM=7.25 | INV.(OUT)=4.72 |

(1)

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| E10 | STA. 155+64, 24' RT. | RIM=6.73 | INV.(OUT)=3.78 |
| E20 | STA. 153+55, -15' LT. | RIM=7.12 | INV.(OUT)=4.59 |
| M52 | STA. 153+36, -11' LT. | RIM=6.75 | INV.(IN-W)=4.51<br>INV.(IN-SW)=4.52<br>INV.(IN-N)=4.50<br>INV.(OUT)=4.49 |
| M53 | STA. 155+66, 19' RT. | RIM=6.84 | INV.(IN-S)=3.73<br>INV.(IN-SE)=3.75<br>INV.(OUT)=3.72 |

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 35

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 16

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 3

JT CONNELL HIGHWAY

SEE ITS PLANS

E.S.H.L. PLAT 712

E.S.H.L. PLAT 1857

100' RIVERBANK WETLAND

11'-12"RCP S=0.006'/FT

PRC 1046+15.30

PT 1046+62.89

PT 150+23.23

5'-12"DIP S=0.006'/FT

17'-12"DIP S=0.005'/FT

9'-12"DIP S=0.006'/FT

14'-12"DIP S=0.005/FT

2'-12"DIP S=0.012'/FT

B-30 GW ELEV 3.0

INV.=4.65

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Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATION CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 7

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 67
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

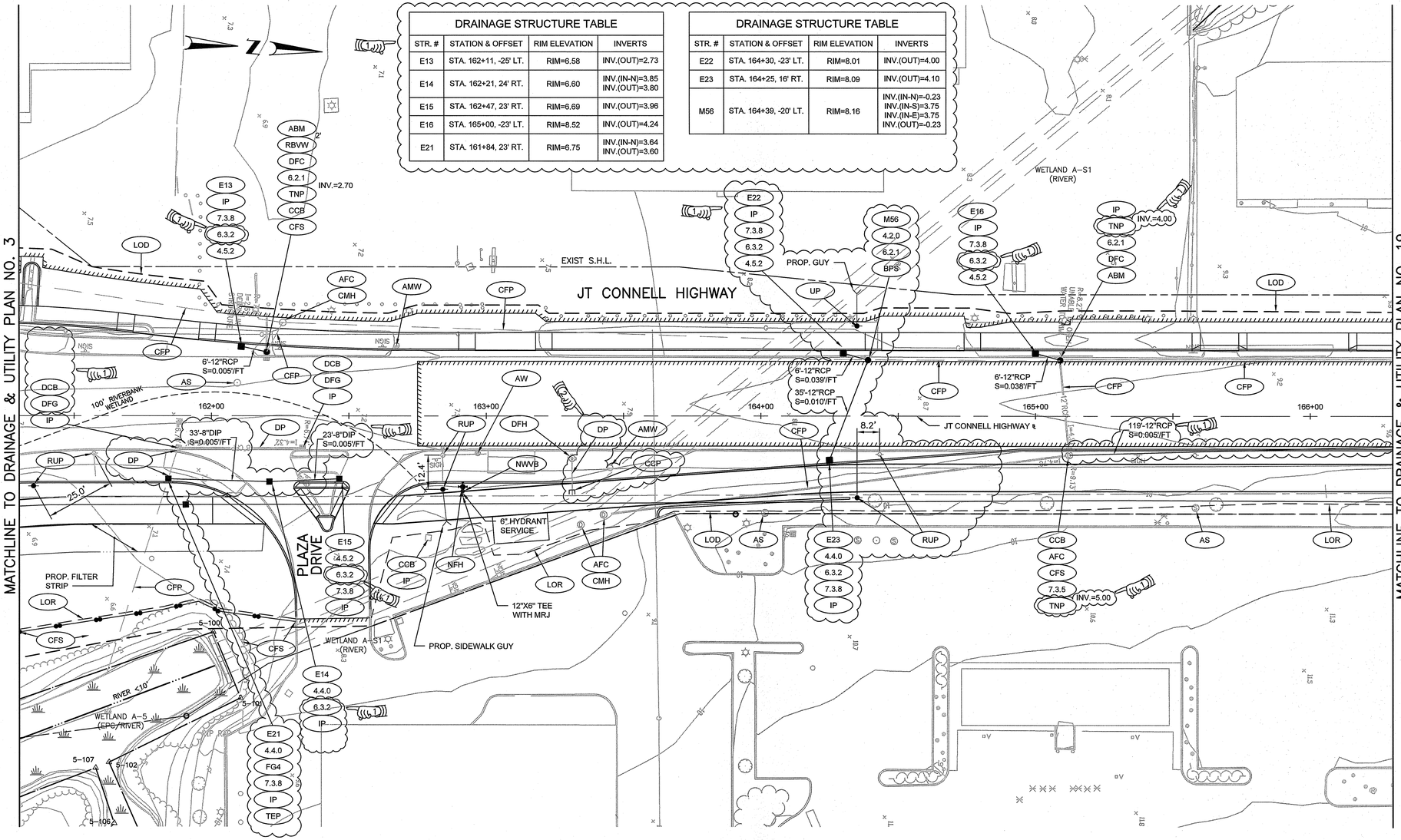
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 17

0050B_V1_067_DRAINUTL017_ADD07

R–2

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 68 | 127 |




### DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| E13 | STA. 162+11, -25' LT. | RIM=6.58 | INV.(OUT)=2.73 |
| E14 | STA. 162+21, 24' RT. | RIM=6.60 | INV.(IN-N)=3.85<br>INV.(OUT)=3.80 |
| E15 | STA. 162+47, 23' RT. | RIM=6.69 | INV.(OUT)=3.96 |
| E16 | STA. 165+00, -23' LT. | RIM=8.52 | INV.(OUT)=4.24 |
| E21 | STA. 161+84, 23' RT. | RIM=6.75 | INV.(IN-N)=3.64<br>INV.(OUT)=3.60 |

### DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| E22 | STA. 164+30, -23' LT. | RIM=8.01 | INV.(OUT)=4.00 |
| E23 | STA. 164+25, 16' RT. | RIM=8.09 | INV.(OUT)=4.10 |
| M56 | STA. 164+39, -20' LT. | RIM=8.16 | INV.(IN-N)=-0.23<br>INV.(IN-S)=3.75<br>INV.(IN-E)=3.75<br>INV.(OUT)=-0.23 |

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Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 RE: 20-0056
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 7


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 68
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

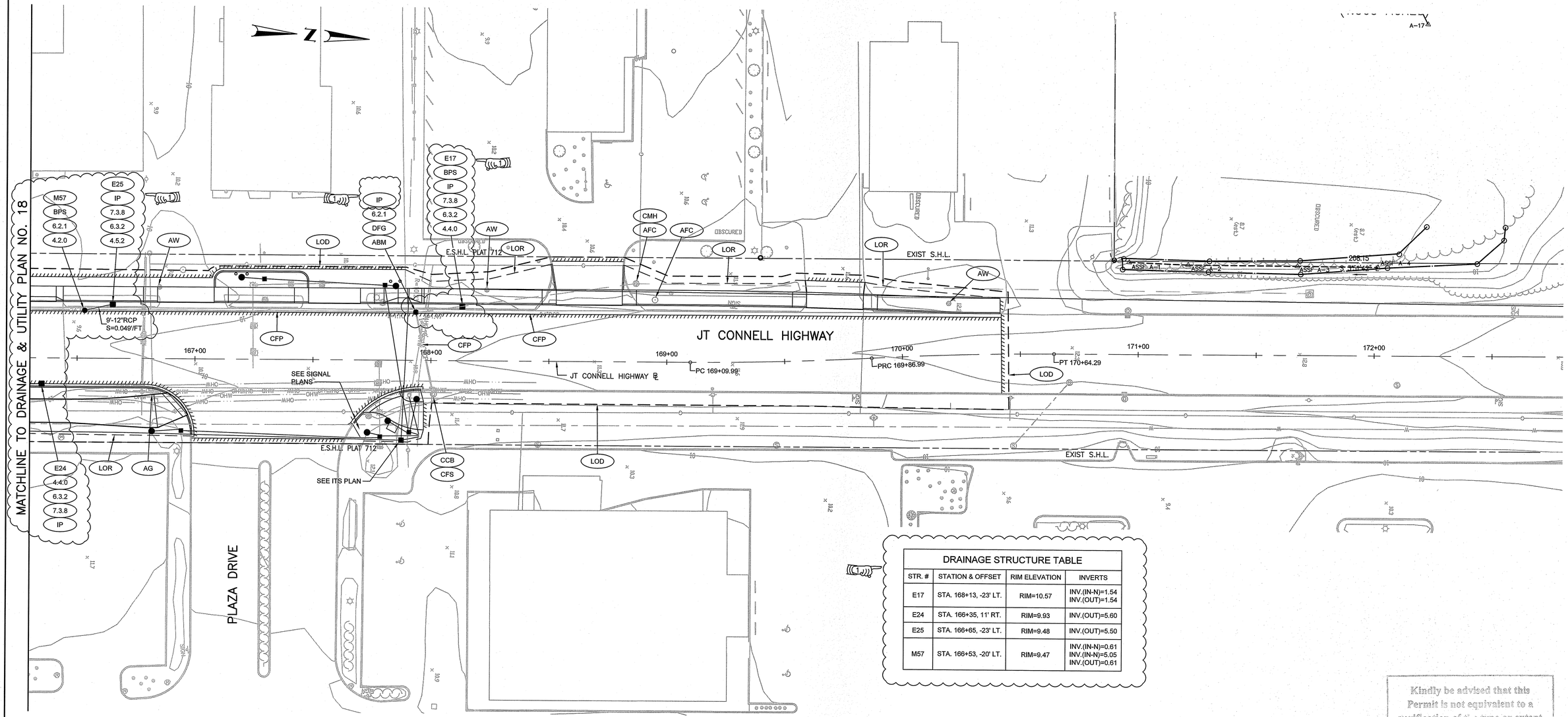
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 18

0050B_V1_068_DRAINUTL018_ADD07

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 69 | 127 |




| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| E17 | STA. 168+13, -23' LT. | RIM=10.57 | INV.(IN-N)=1.54<br>INV.(OUT)=1.54 |
| E24 | STA. 166+35, 11' RT. | RIM=9.93 | INV.(OUT)=5.60 |
| E25 | STA. 166+65, -23' LT. | RIM=9.48 | INV.(OUT)=5.50 |
| M57 | STA. 166+53, -20' LT. | RIM=9.47 | INV.(IN-N)=0.61<br>INV.(IN-N)=5.05<br>INV.(OUT)=0.61 |

20 0 20 40
SCALE IN FEET

Environmental Management
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
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DATE:
SHEET: 69
OF:

SCALE: 1"=20'
10 0 5 10 20 40
GRAPHIC SCALE

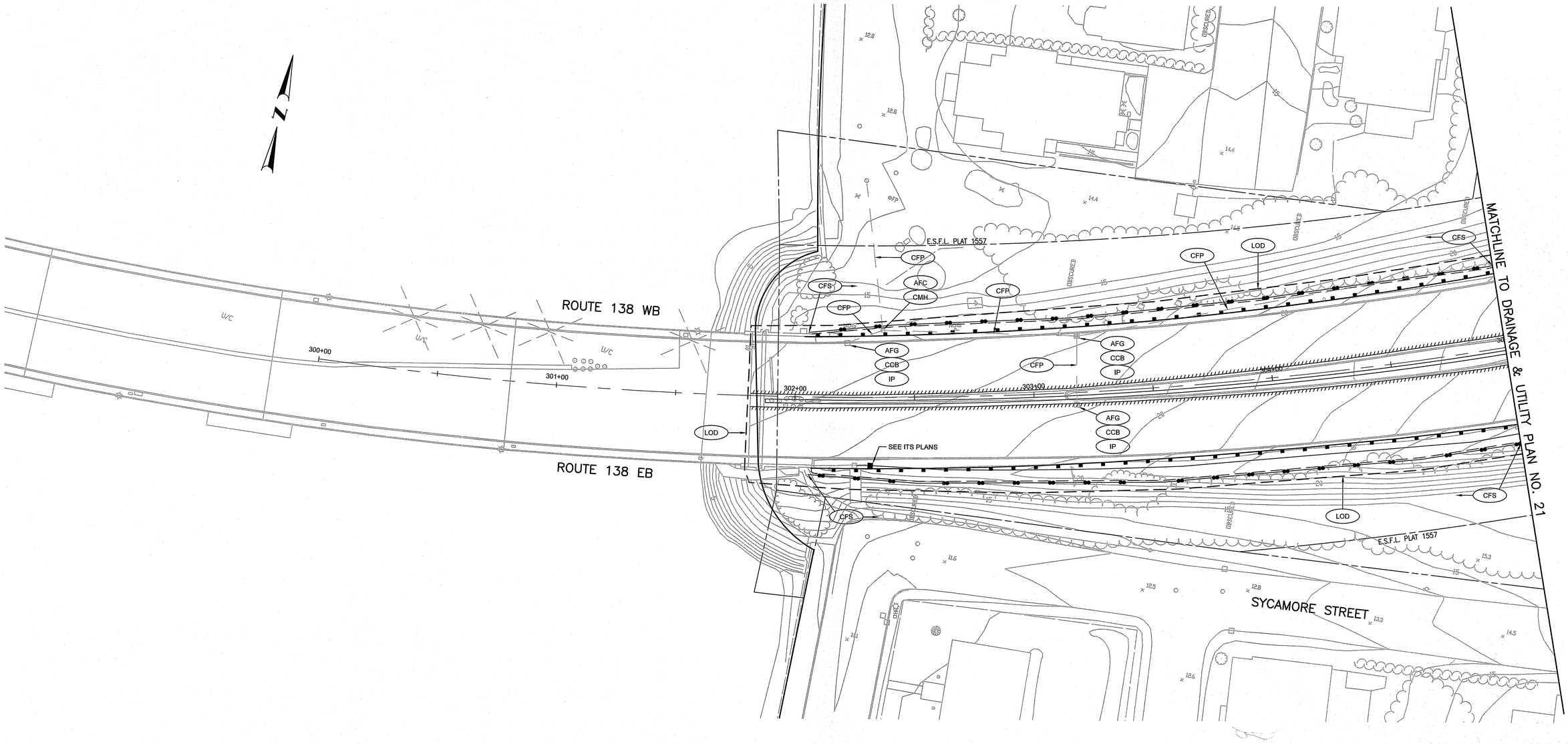
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 19

0050B_V1_069_DRAINUTL019

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 70 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |
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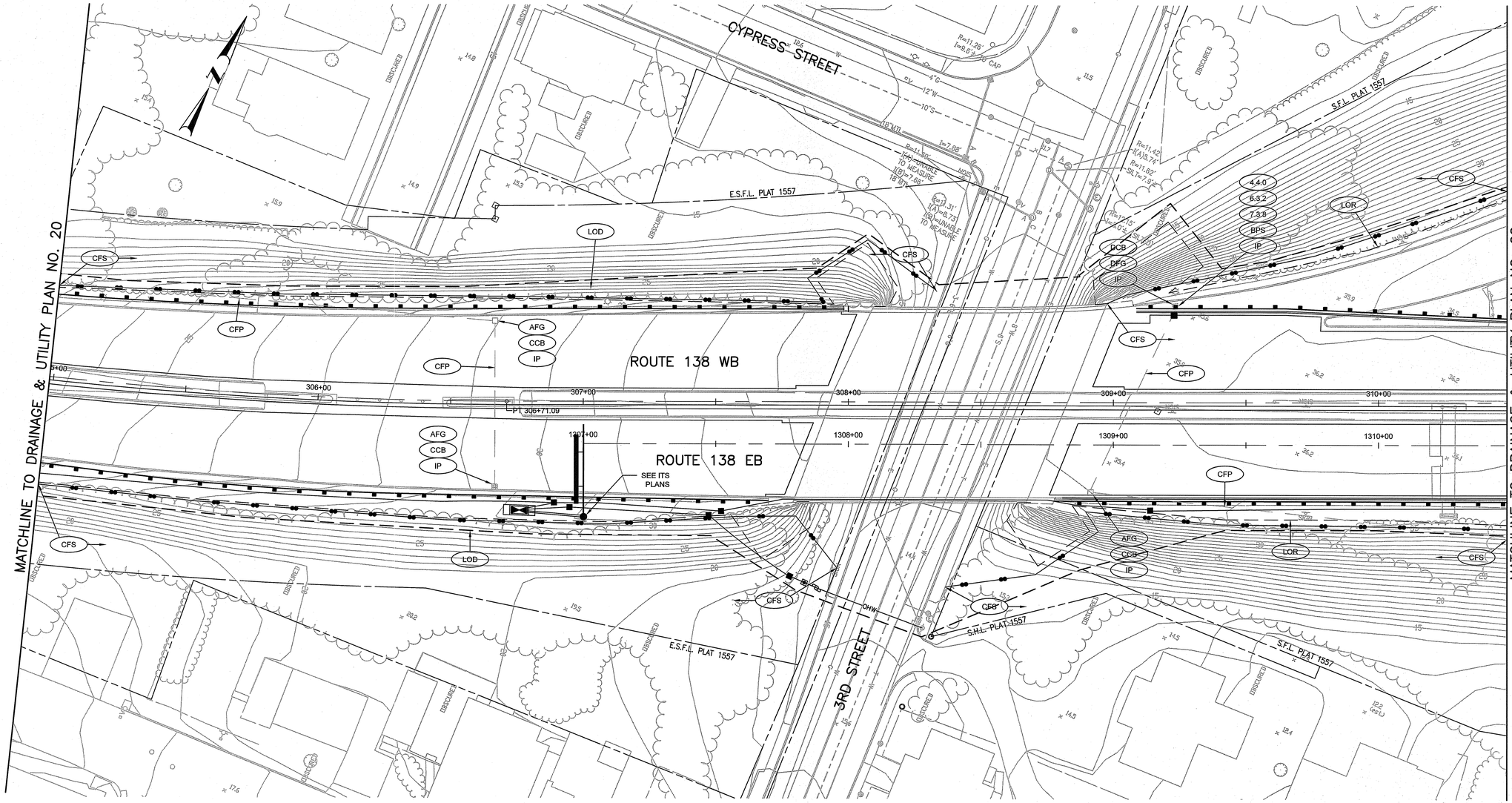
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 20

0050B_V1_070_DRAINUTL020

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 71 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED MAY 27 2021 FILE NO. 20-0256
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FEB 26 2021
Office of Water Resources


vhb
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Suite 400
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
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DATE:
SHEET: 71
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |

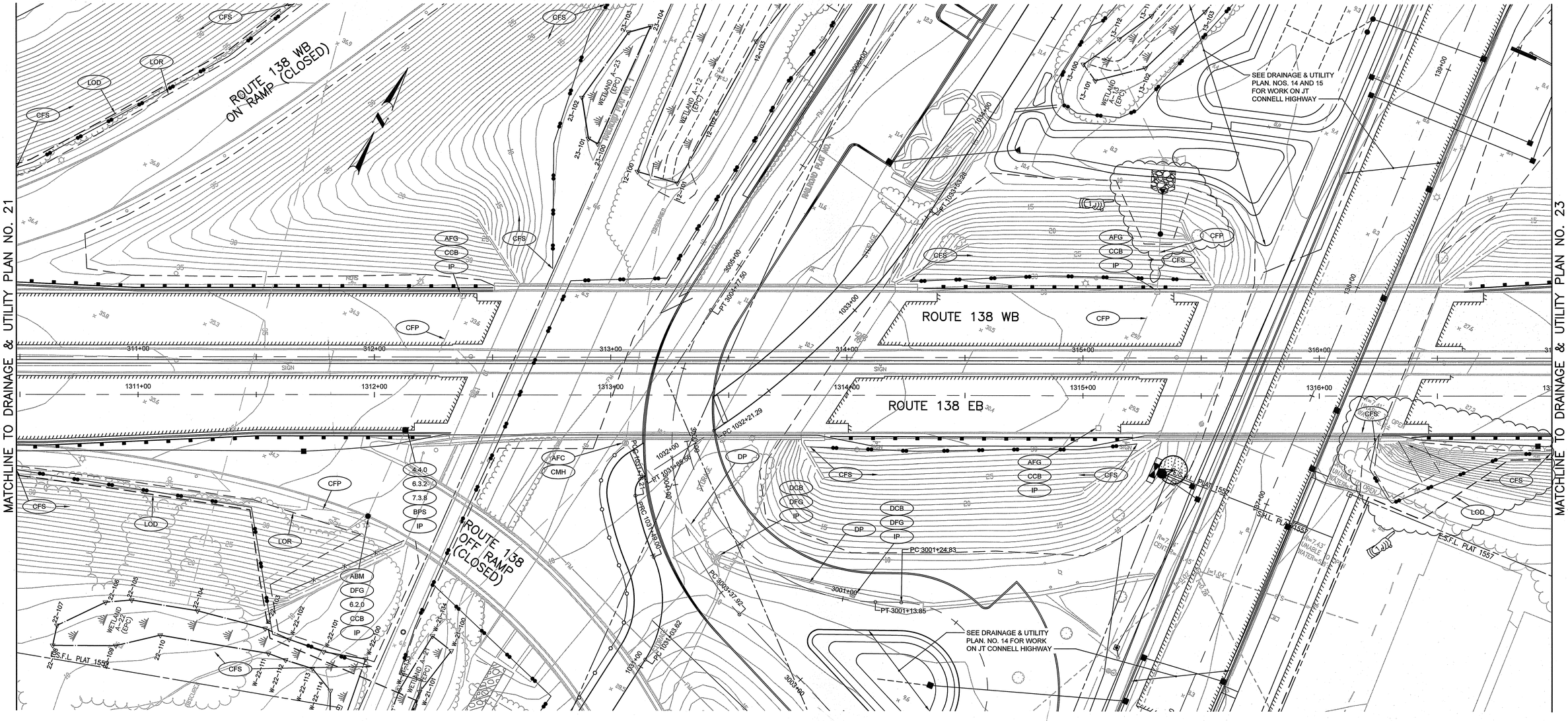
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 21

0050B_V1_071_DRAINUTL021

R–1

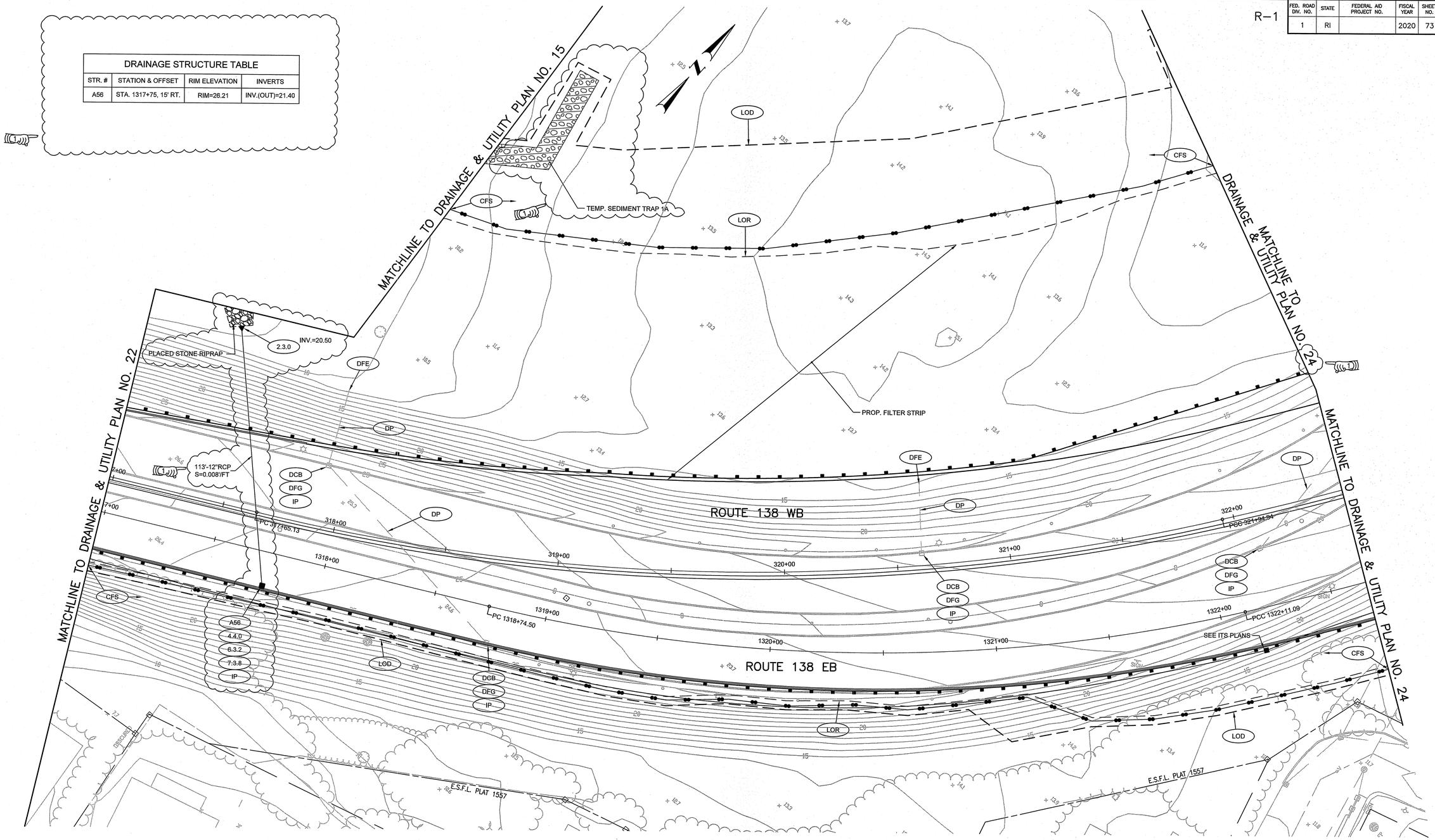
| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 72 | 127 |


MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 21
MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 23
ROUTE 138 WB ON RAMP (CLOSED)
ROUTE 138 OFF RAMP (CLOSED)
ROUTE 138 WB
ROUTE 138 EB
SEE DRAINAGE & UTILITY PLAN. NOS. 14 AND 15 FOR WORK ON JT CONNELL HIGHWAY
SEE DRAINAGE & UTILITY PLAN. NO. 14 FOR WORK ON JT CONNELL HIGHWAY
E.S.F.L. PLAT 1557
CFS
LOR
LOD
CFP
AFG
CCB
IP
AFC
CMH
DP
DCB
DFG
ABM
6.2.0
4.4.0
6.3.2
7.3.8
BPS
WETLAND A–23 (EPC)
WETLAND A–12 (EPC)
WETLAND A–13 (EPC)
WETLAND A–22 (EPC)
WETLAND A–21 (EPC)
PT 3004+77.50
PC 1032+21.29
PT 1031+88.59
PC 1031+48.00
PC 3001+24.83
PT 3001+13.85
PC 3003+37.92
PRC 1031+03.82
PT 1033+35.08
1032+00
1033+00
1034+00
3004+00
3003+00
3002+00
3001+00
1031+00
311+00
312+00
313+00
314+00
315+00
316+00
1311+00
1312+00
1313+00
1314+00
1315+00
1316+00
1317+00
1318+00
SIGN
DRAINAGE
Rv=7.43'
UNABLE TO OPEN
Rv=7.43' UNABLE TO OPEN
Rv=7.43' UNABLE TO OPEN
Rv=7.43' UNABLE TO OPEN
R=7.43'
UNABLE TO OPEN
R=7.43' UNABLE TO OPEN
R=7.43' UNABLE TO OPEN
R=7.43'

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 73 | 127 |

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| A56 | STA. 1317+75, 15' RT. | RIM=26.21 | INV.(OUT)=21.40 |




ADDENDUM NO. 5

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATION
AS SPECIFIED APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 73
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 23

0050B_V1_073_DRAINUTL023

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 74 | 127 |

R-2

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

MATCHLINE TO RIGHT
MATCHLINE TO LEFT
MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 23
MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 27
MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 25
MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 23
LOD
TEMP. SEDIMENT TRAP 1B
CFS
LOR
PROP. FILTER STRIP
DFE
DP
DCB
DFG
IP
ROUTE 138 ON RAMP
CONNECTOR ROAD
PCC 549+04.57
548+00
550+00
551+00
PCC 550+34.08
ROUTE 138 WB
ROUTE 138 EB
323+00
324+00
325+00
326+00
327+00
328+00
1323+00
1324+00
1325+00
1326+00
1327+00
1328+00
407+00
406+00
PT 405+91.12
CFP
RBVW
AFC
CMH
TNP
42"-18"RCP S=0.010'/FT
67"-18"RCP S=0.010'/FT
16"-18"RCP S=0.010'/FT
58"-18"RCP S=0.009'/FT
42"-12"RCP S=0.018'/FT
52"-12"RCP S=0.033'/FT
95"-18"RCP S=0.012'/FT
86"-18"RCP S=0.008'/FT
76"-18"RCP S=0.011'/FT
148"-12"RCP S=0.010'/FT
E.S.F.L. PLAT 155
T.E.B.
COLUMBUS WAY
HALSEY STREET
CITY STREET LINE
AG
AW
RUP
SEE ITS PLANS
PROP. GAS RELOCATION (BY OTHERS)
6x6 TEE W/ MRJ
6" HYDRANT SERVICE
DFH
NWVB
NFH
REMOVE AND DISPOSE OIL/WATER SEPERATOR
D5 4.4.0 6.3.2 7.3.8 IP
D6 4.4.0 6.3.2 7.3.8 IP
D7 4.4.0 6.3.2 7.3.8 IP
D8 4.4.0 6.3.2 7.3.8 IP
D9 4.4.0 6.3.2 7.3.8 IP
D10 4.4.0 6.3.2 7.3.8 IP
D11 4.4.0 6.3.2 7.3.8 IP
D18 4.4.0 6.3.2 IP
D19 4.4.0 6.3.2 7.3.8 IP
D23 4.4.0 6.3.2 IP
D24 4.4.0 6.3.2 IP
AFC CMH
AFG CCB IP
DFG DCB IP

DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| D5 | STA. 328+00, -27' LT. | RIM=15.23 | INV.(IN-NE)=11.00<br>INV.(OUT)=10.90 |
| D6 | STA. 327+00, -27' LT. | RIM=13.99 | INV.(IN-N)=9.80<br>INV.(OUT)=9.70 |
| D7 | STA. 326+09, -27' LT. | RIM=13.17 | INV.(IN-N)=9.02<br>INV.(OUT)=8.92 |
| D8 | STA. 325+88, -27' LT. | RIM=13.14 | INV.(IN-N)=8.76<br>INV.(IN-E)=9.16<br>INV.(OUT)=8.66 |
| D9 | STA. 325+68, -27' LT. | RIM=13.44 | INV.(IN-NE)=8.50<br>INV.(OUT)=8.40 |
| D10 | STA. 406+05, -15' LT. | RIM=12.76 | INV.(IN-NE)=7.72<br>INV.(IN-S)=7.67<br>INV.(OUT)=7.62 |

DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| D11 | STA. 405+85, -15' LT. | RIM=12.70 | INV.(IN-SE)=7.46 |
| D18 | STA. 1326+13, -13' LT. | RIM=14.94 | INV.(IN-N)=11.00<br>INV.(OUT)=10.90 |
| D19 | STA. 405+40, -15' LT. | RIM=12.78 | INV.(IN-SE)=6.94<br>INV.(OUT)=6.94 |
| D23 | STA. 406+38, 16' RT. | RIM=13.53 | INV.(OUT)=8.43 |
| D24 | STA. 1327+67, -13' LT. | RIM=16.27 | INV.(OUT)=12.50 |

Environmental Management
FEB 2 6 2021
Office of Water Resources

ADDENDUM NO. 7

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 74
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/20/21 | VHB | | | |
| 2 | 2/2/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

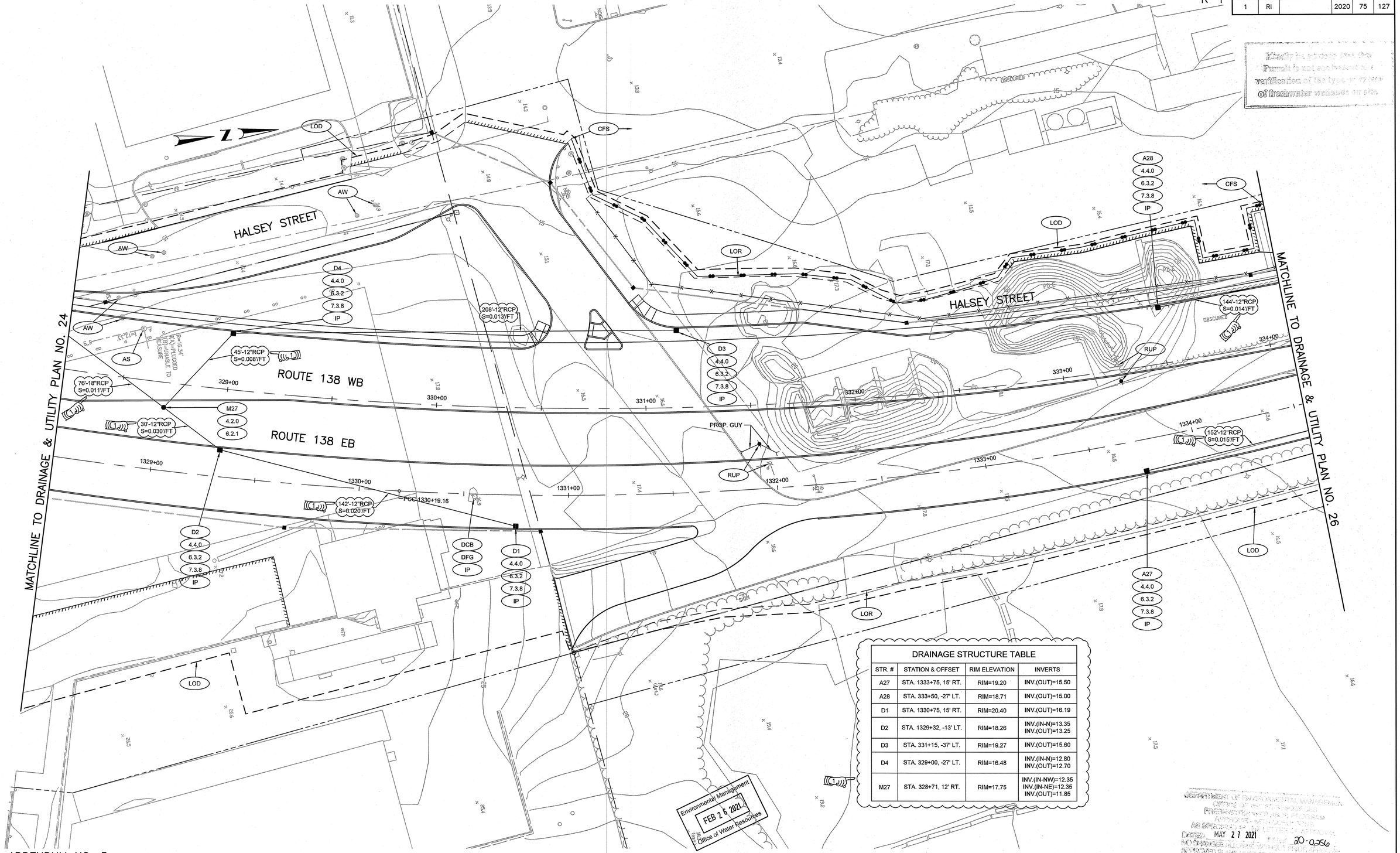
# DRAINAGE & UTILITY PLAN NO. 24

0050B_V1_074_DRAINUTL024_ADD05

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 75 | 127 |

R-1

Verify all utilities and this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.




## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| A27 | STA. 1333+75, 15' RT. | RIM=19.20 | INV.(OUT)=15.50 |
| A28 | STA. 333+50, -27' LT. | RIM=18.71 | INV.(OUT)=15.00 |
| D1 | STA. 1330+75, 15' RT. | RIM=20.40 | INV.(OUT)=16.19 |
| D2 | STA. 1329+32, -13' LT. | RIM=18.26 | INV.(IN-N)=13.35<br>INV.(OUT)=13.25 |
| D3 | STA. 331+15, -37' LT. | RIM=19.27 | INV.(OUT)=15.60 |
| D4 | STA. 329+00, -27' LT. | RIM=16.48 | INV.(IN-N)=12.80<br>INV.(OUT)=12.70 |
| M27 | STA. 328+71, 12' RT. | RIM=17.75 | INV.(IN-NW)=12.35<br>INV.(IN-NE)=12.35<br>INV.(OUT)=11.85 |

Environmental Management
FEB 26 2021
Office of Water Resources

WETLANDS DIVISION OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED AS NOTED
AS SHOWN ON PLANS DATED MAY 27 2021
NO CHANGES TO THE APPROVED PLANS SHALL BE MADE WITHOUT APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE
20-0256

ADDENDUM NO. 5

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 75
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 25

0050B_V1_075_DRAINUTL025

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 76 | 127 |

R-1

## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| A35 | STA. 1339+00, 19' RT. | RIM=12.30 | INV.(IN-S)=8.36<br>INV.(OUT)=8.26 |
| A36 | STA. 339+50, -27' LT. | RIM=11.43 | INV.(IN-S)=7.51<br>INV.(OUT)=7.41 |
| A37 | STA. 339+53, 48' RT. | RIM=10.98 | INV.(IN-S)=7.11<br>INV.(OUT)=6.61 |
| A37a | STA. 340+25, 48' RT. | RIM=10.10 | INV.(IN-S)=6.00<br>INV.(OUT)=5.95 |

## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| A29 | STA. 1335+30, 15' RT. | RIM=16.96 | INV.(IN-S)=13.22<br>INV.(OUT)=13.12 |
| A30 | STA. 335+00, -27' LT. | RIM=16.89 | INV.(IN-S)=12.98<br>INV.(OUT)=12.88 |
| A31 | STA. 1336+70, 15' RT. | RIM=15.16 | INV.(IN-S)=11.22<br>INV.(OUT)=11.12 |
| A32 | STA. 336+25, -27' LT. | RIM=15.37 | INV.(IN-S)=11.20<br>INV.(OUT)=11.10 |
| A33 | STA. 1338+00, 15' RT. | RIM=13.60 | INV.(IN-S)=9.61<br>INV.(OUT)=9.51 |
| A34 | STA. 338+00, -27' LT. | RIM=13.25 | INV.(IN-S)=9.22<br>INV.(OUT)=9.12 |

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 25

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 5

HALSEY STREET

E.S.F.L. PLAT 1557

EASEMENT LINE

SEE SIGNAL PLANS

SEE ITS PLANS

STORAGE

144'-12"RCP S=0.014'/FT

120'-12"RCP S=0.014'/FT

171'-12"RCP S=0.011'/FT

146'-12"RCP S=0.011'/FT

141'-12"RCP S=0.011'/FT

152'-12"RCP S=0.015'/FT

136'-12"RCP S=0.014'/FT

126'-12"RCP S=0.012'/FT

96'-12"RCP S=0.012'/FT

96'-12"RCP S=0.012'/FT

68'-18"RCP S=0.009'/FT

66'-18"RCP S=0.006'/FT

PT 335+76.42

PT 1335+26.64

335+00 336+00 337+00 338+00 339+00 340+00

1335+00 1336+00 1337+00 1338+00 1339+00 1339+50

A30 4.4.0 6.3.2 7.3.8 IP

A32 4.4.0 6.3.2 7.3.8 IP

A34 4.4.0 6.3.2 7.3.8 IP

A36 4.4.0 6.3.2 7.3.8 IP

A29 4.4.0 6.3.2 7.3.8 IP

A31 4.4.0 6.3.2 7.3.8 IP

A33 4.4.0 6.3.2 7.3.8 IP

A35 4.4.0 6.3.2 7.3.8 IP

A37 4.4.0 6.3.2 7.3.8 IP

A37a 4.4.0 6.3.2 7.3.8 IP

CFS LOD LOR

Environmental Management
FEB 2 6 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 5

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 76
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 26

0050B_V1_076_DRAINUTL026

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 28

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 77 | 127 |

## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| D12 | STA. 402+75, -15' LT. | RIM=12.54 | INV.(OUT)=8.50 |
| D13 | STA. 401+77, 49' RT. | RIM=10.79 | INV.(OUT)=7.76 |
| D14 | STA. 401+52, 49' RT. | RIM=10.72 | INV.(IN-E)=7.65<br>INV.(IN-W)=7.65<br>INV.(OUT)=7.62 |
| D20 | STA. 404+80, -21' LT. | RIM=14.08 | INV.(IN-SE)=6.45<br>INV.(OUT)=6.45 |

## DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| D21 | STA. 402+00, -15' LT. | RIM=11.39 | INV.(IN-E)=7.76<br>INV.(OUT)=7.66 |
| M28 | STA. 402+71, -25' LT. | RIM=12.78 | INV.(IN-E)=4.53<br>INV.(OUT)=4.43 |
| M29 | STA. 401+59, 17' RT. | RIM=9.57 | INV.(IN-SE)=1.53<br>INV.(OUT)=1.53 |
| M60 | STA. 401+76, -24' LT. | RIM=11.63 | INV.(IN-S)=1.48<br>INV.(IN-E)=3.30<br>INV.(OUT)=1.48 |

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 16

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 24

E.S.F.L. PLAT 155

CONNECTOR ROAD

ROUTE 138 ON RAMP

PCC 402+86.84

PCC 546+13.60

PC 401+67.18

SEE MS4 MAINTENANCE PLANS

WETLAND A-15 (EPC)

WETLAND A-14 (EPC)

PROP. FILTER STRIP

TEMP. SEDIMENT TRAP 1B

80'-12"RCP S=0.005'/FT

16'-42"RCP S=0.002'/FT

95'-18"RCP S=0.012'/FT

73'-12"DIP S=0.010'/FT

71'-12"DIP S=0.005'/FT

38'-42"RCP S=0.001'/FT

77'-42"RCP S=0.001'/FT

20'-12"DIP S=0.005'/FT

210'-18"RCP S=0.009'/FT

58'-18"RCP S=0.009'/FT

INV.=5.00

INV.=1.44

INV.=1.63

8-36 GV ELEV 6.0

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

APPROVED
AS NOTED IN THE LETTER OF APPROVAL
DATED: MAY 27 2021 FILE # 20-0056
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 5

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 77
OF:

SCALE: 1"=20'
GRAPHIC SCALE

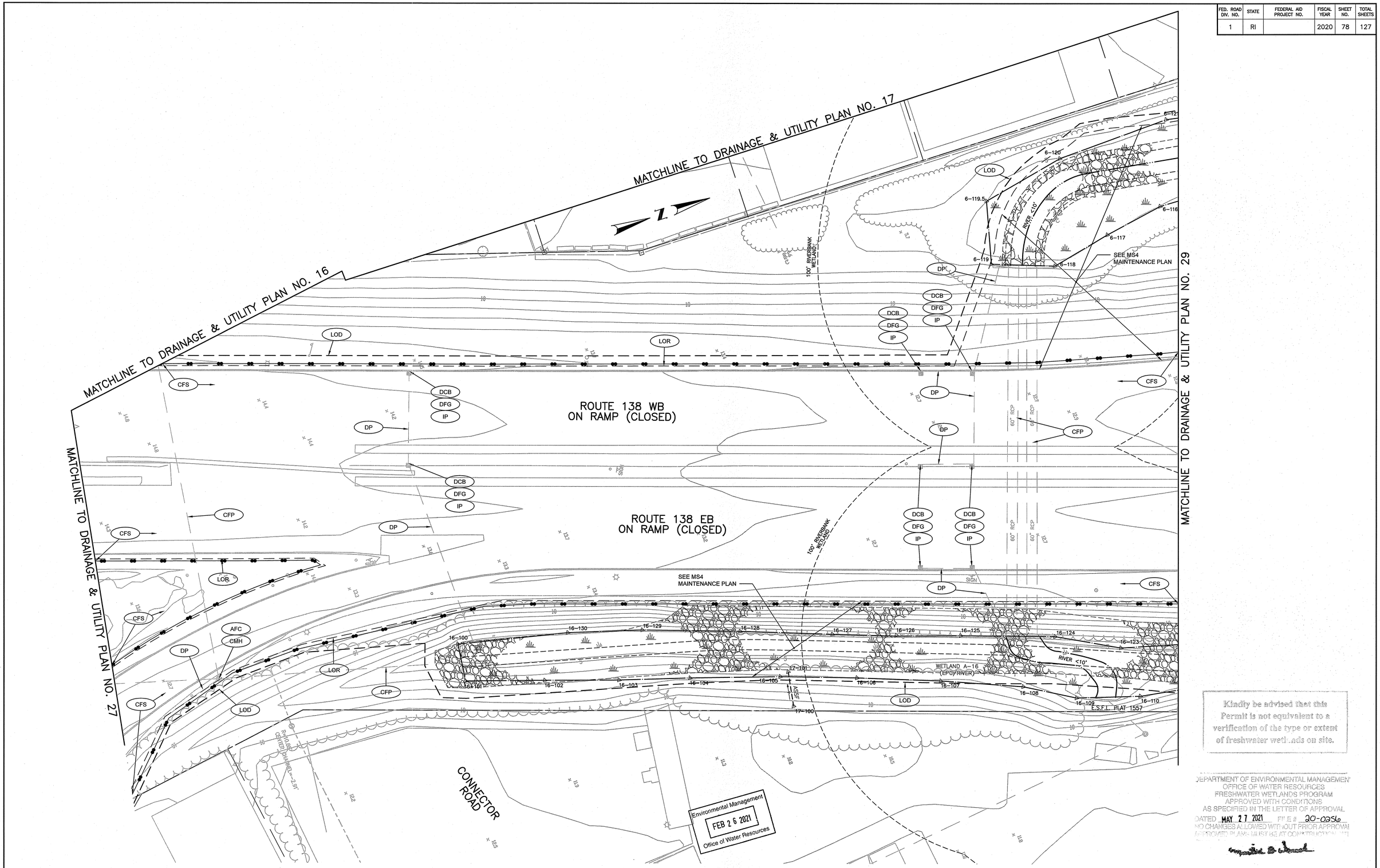
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 27

0050B_V1_077_DRAINUTL027

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 78 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 78
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 28

0050B_V1_078_DRAINUTL028

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 79 | 127 |

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 17

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 3

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 4

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 29

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 26

N

S.F.L. PLAT NO. 1557

S.F.L. PLAT NO. 1567

LOD

LOR

CFS

DFE

DP

DCB

DFG

IP

SIGN

OBSCURED

RIVER <10'

WETLAND A–6
(EPC/RIVER)

WETLAND A–16
(EPC/RIVER)

100' RIVERBANK WETLAND

SEE WETLAND MITIGATION PLAN

SEE MS4 MAINTENANCE PLAN

B-24 data

6–106 6–107 6–108 6–109 6–110 6–111 6–112 6–113 6–114 6–115 6–122 6–123 6–124

16–111 16–112 16–113 16–114 16–115 16–116 16–117 16–118 16–119 16–120 16–121 16–122

Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0356
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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SHEET: 79
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |

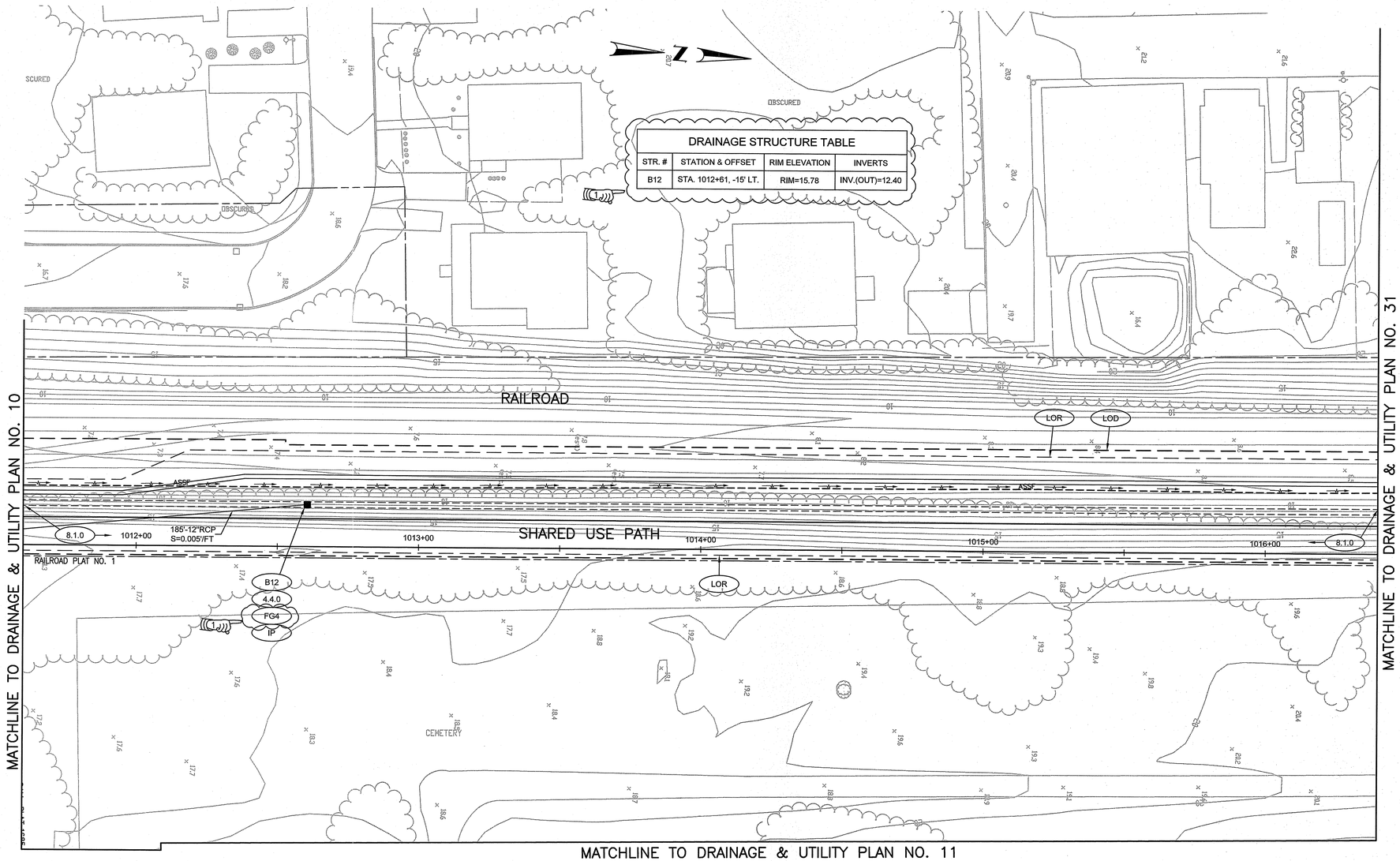
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 29

0050B_V1_079_DRAINUTL029

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 80 | 127 |




ADDENDUM NO. 5

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
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SHEET: 80
OF:

SCALE: 1"=20'
GRAPHIC SCALE

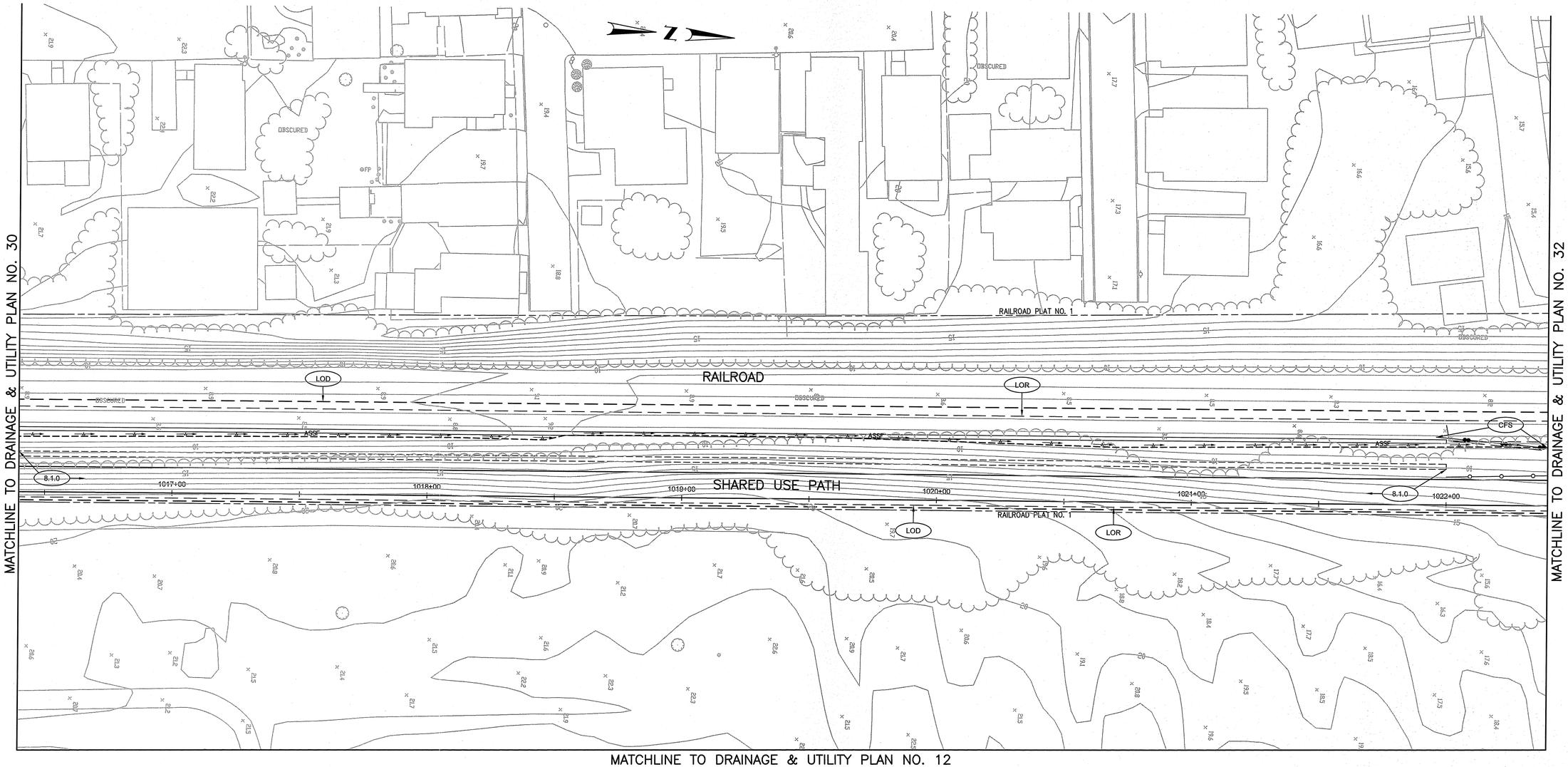
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 30

0050B_V1_080_DRAINUTL030

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 81 | 127 |




Environmental Management
FEB 2 6 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVAL
AS SPECIFIED IN CONDITIONS
DATED MAY 27 2021
20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 81
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |
| | | | | | |
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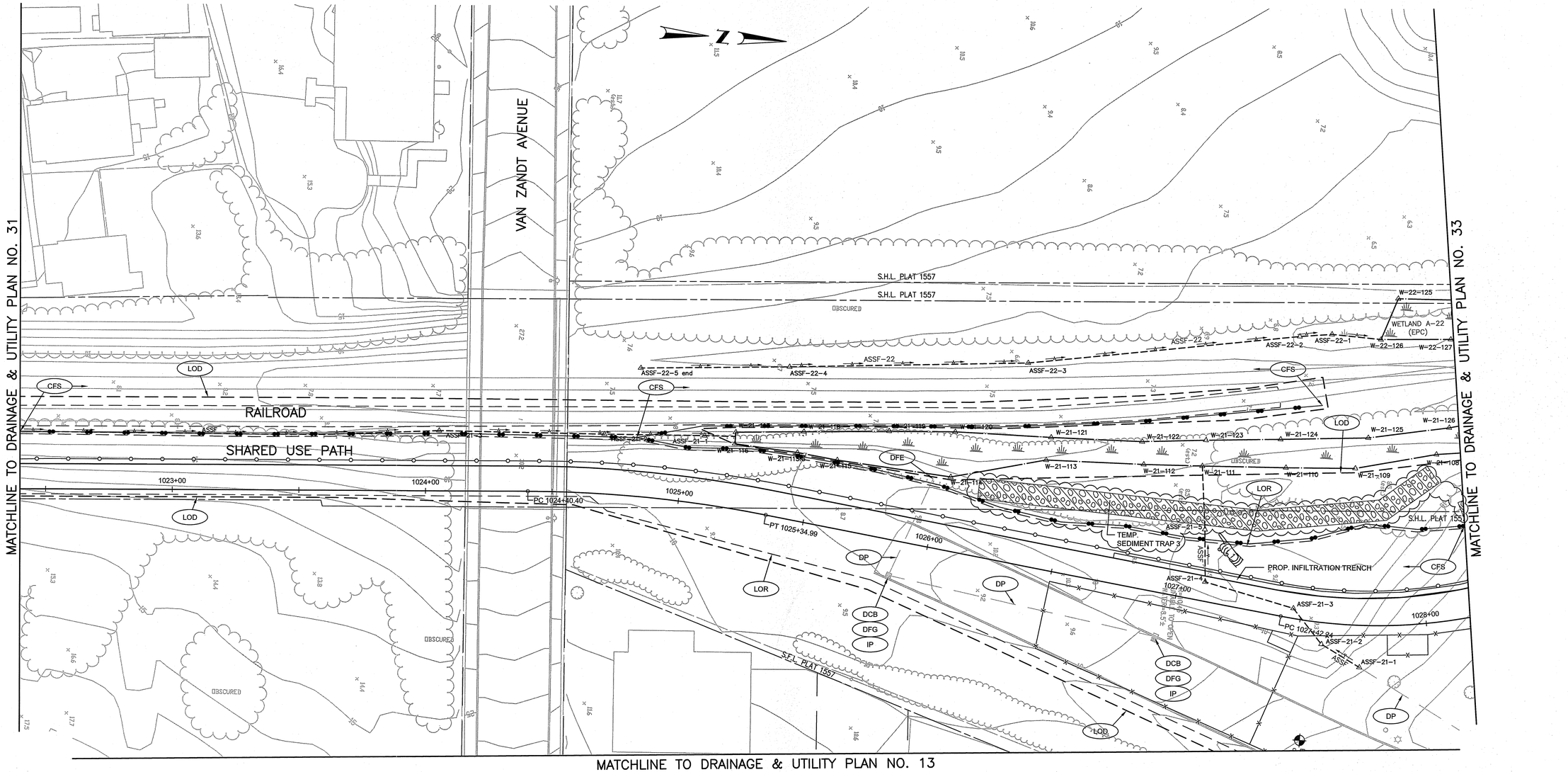
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 31

0050B_V1_081_DRAINUTL031

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 82 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not subservient to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 82
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
|---|---|---|---|---|---|
| 1 | 1/22/21 | VHB | | | |

# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

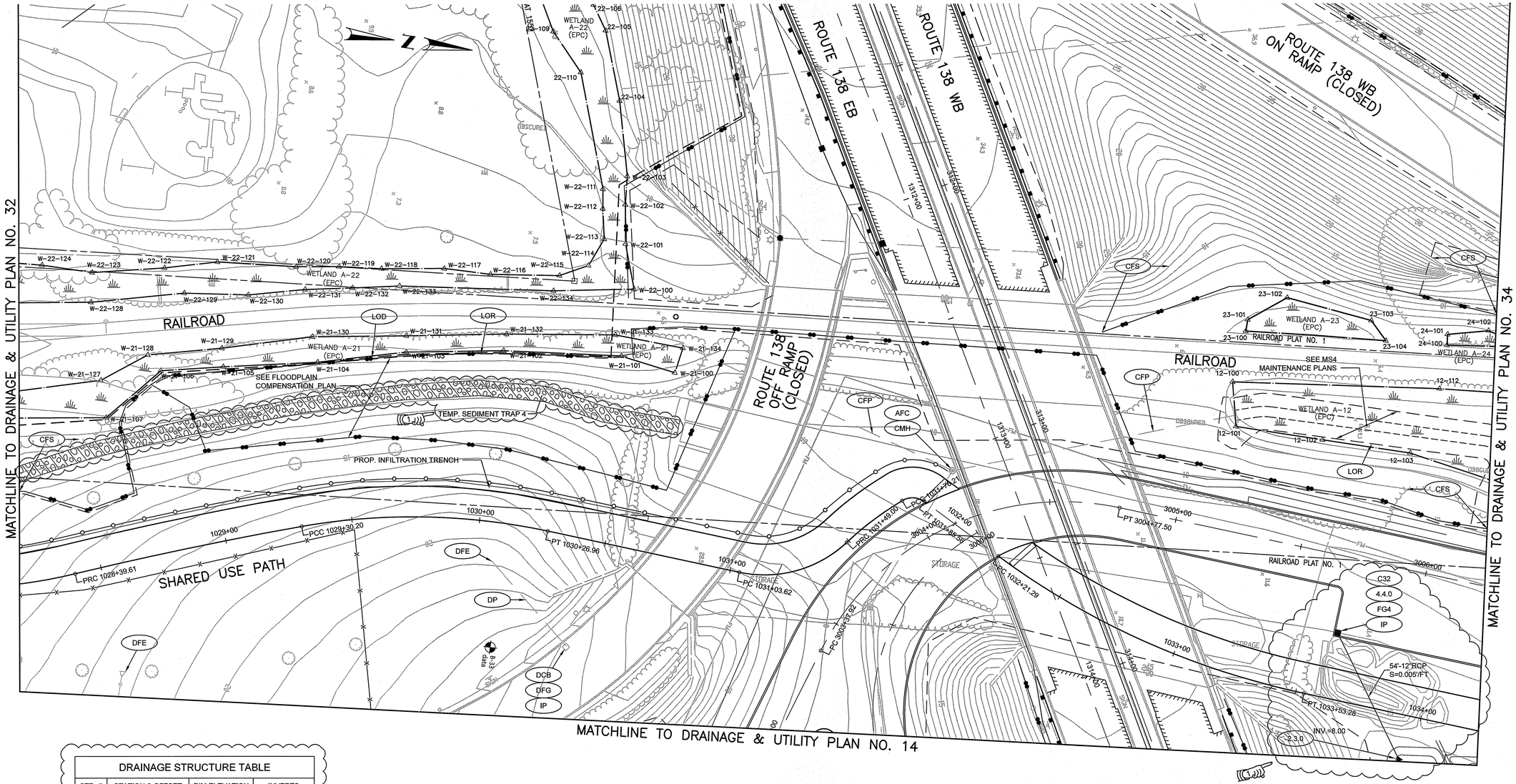
NEWPORT RHODE ISLAND

## DRAINAGE & UTILITY PLAN NO. 32

0050B_V1_082_DRAINUTL032

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 83 | 127 |




### DRAINAGE STRUCTURE TABLE

| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
|---|---|---|---|
| C32 | STA. 3005+71, 30' RT. | RIM=11.38 | INV.(OUT)=8.27 |

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
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DATED MAY 27 2021 FILE 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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ADDENDUM NO. 5


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 83
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE & UTILITY PLAN NO. 33

0050B_V1_083_DRAINUTL033

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 84 | 127 |

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 33

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 16

MATCHLINE TO DRAINAGE & UTILITY PLAN NO. 15

| DRAINAGE STRUCTURE TABLE | | | |
|---|---|---|---|
| STR. # | STATION & OFFSET | RIM ELEVATION | INVERTS |
| C33 | STA. 140+29, -175' LT. | RIM=11.56 | INV.(OUT)=8.28 |

RAILROAD

RAILROAD PLAN NO. 1

ROUTE 138 WB ON RAMP (CLOSED)

SHARED USE PATH

WETLAND A-11 (EPC)

WETLAND A-12 (EPC)

WETLAND A-19 (EPC)

WETLAND A-24 (EPC)

E.S.H.L. PLAT 1557

E.S.H.L. PLAT 1565

SEE MS4 MAINTENANCE PLANS

OBSCURED

CFS

LOD

DCB

DFG

IP

CPP

CFP

LOR

DFE

DP

ASSF

FG4

C33

4.4.0

T.E.B.

55'-12"RCP S=0.005'/FT

PC 3007+12.73

PT 3007+44.94

PC 3010+32.35

PT 3010+59.83

Environmental Management
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Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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ADDENDUM NO. 5


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Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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DATE:
SHEET: 84
OF:

SCALE: 1"=20'
GRAPHIC SCALE

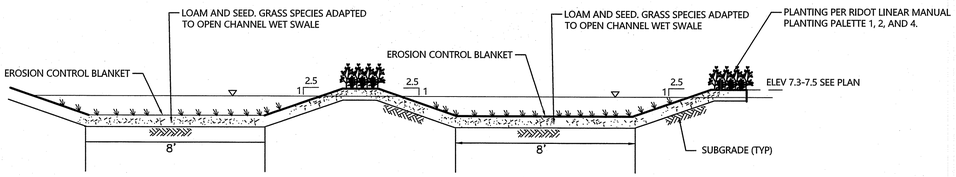
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/22/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

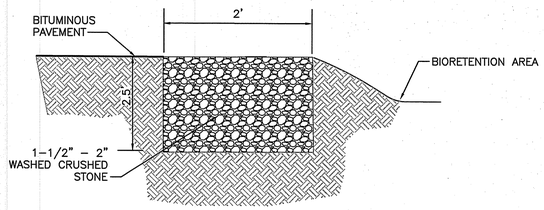
# DRAINAGE & UTILITY PLAN NO. 34

0050B_V1_084_DRAINUTL034_ADD05

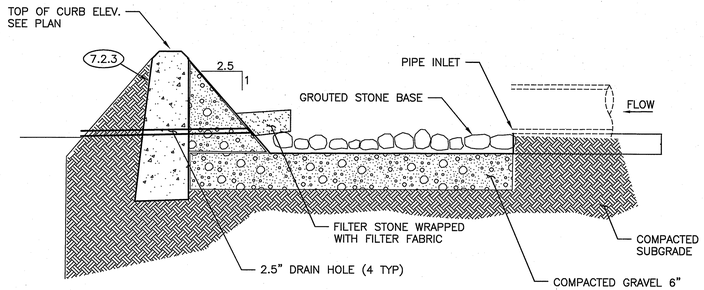
| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 85 | 465 |



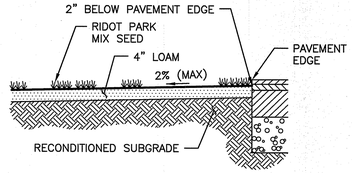

## WET SWALE (WS)
NOT TO SCALE



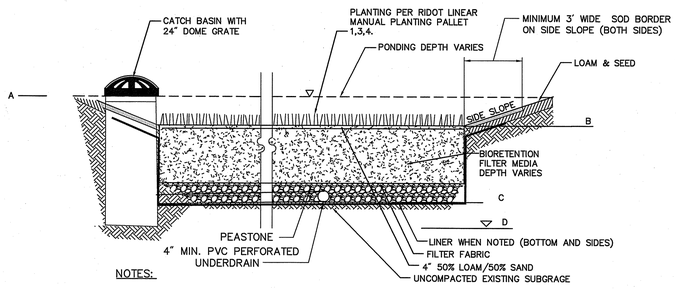

## STONE DIAPHRAGM(SD 5)
NOT TO SCALE




## SEDIMENT FOREBAY (SFB) (TYP.)
NOT TO SCALE




## VEGETATED FILTER STRIP
NOT TO SCALE

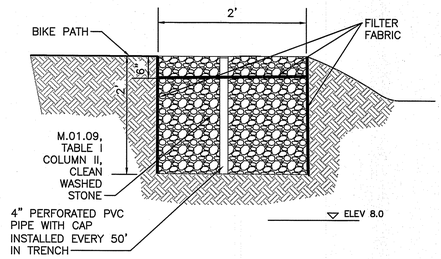



NOTES:

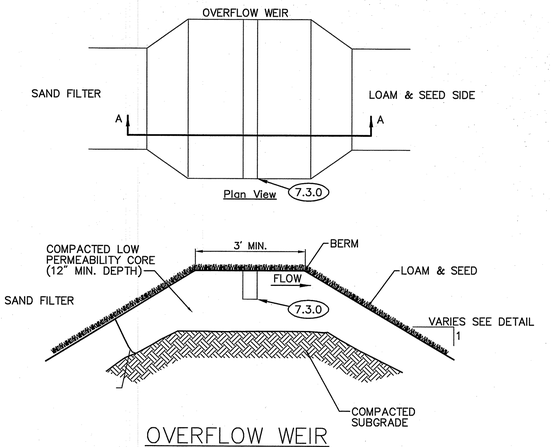
1. BIORETENTION FILTER MEDIA SOILS SHALL CONSIST OF UNITED STATES DEPARTMENT OF AGRICULTURE LOAMY SAND TO SANDY LOAM CLASSIFICATION AND MEET THE FOLLOWING GRADUATION: SAND 85–88%, SILT 8–12%, CLAY 0–2%, AND ORGANIC MATTER (IN THE FORM OF LEAF COMPOST) 3–5%.

## BIORETENTION BASIN (BIO)
NOT TO SCALE

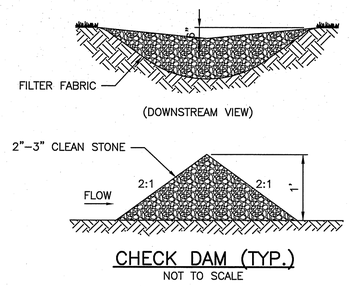
| ELEVATIONS | | | | | |
|---|---|---|---|---|---|
| | BIO 3 | BIO 4 W/LINER | BIO 5 W/LINER | BIO 6 | BIO 8 W/LINER |
| A | 14.2 | 9.0 | 9.1 | 24.5 | 8.6 |
| B | 14.0 | 8.6 | 8.6 | 24.0 | 8.0 |
| C | N/A | 6.1 | 6.5 | 21.5 | 6.0 |
| D | 7.0 | 8.0 | 7.0 | 16.0 | 7.0 |
| FILTER MEDIA (DEPTH) | 2.5' | 2' | 1.5 | 2.0' | 1.5' |
| SIDE SLOPE | 2.5:1 | 3:1 | 3:1 | 3:1 | 3:1 |




## INFILTRATION TRENCH (INF)
NOT TO SCALE




## OVERFLOW WEIR
NOT TO SCALE




## CHECK DAM (TYP.)
NOT TO SCALE

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification to the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 85
OF:

SCALE: AS SHOWN

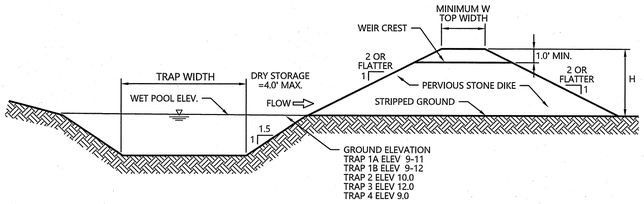
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |
| | | | | | |
| | | | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE DETAILS NO. 1

0050B_V1_085_DDETAIL001

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 86 | 465 |




**CROSS SECTION**
(NOT TO SCALE)

**TRAP 1A**
L=373 LF
TRAP WIDTH=13.2'
WET STORAGE DEPTH=1'
DRY STORAGE DEPTH=0.87'
H=1.87'
W=2'

**TRAP 1B**
L=220 LF
TRAP WIDTH=10.0'
WET STORAGE DEPTH=1'
DRY STORAGE DEPTH=0.83'
H=1.83'
W=2'

**TRAP 2**
L=270 LF
TRAP WIDTH=6.0'
WET STORAGE DEPTH=1'
DRY STORAGE DEPTH=0.75'
H=1.75'
W=2'

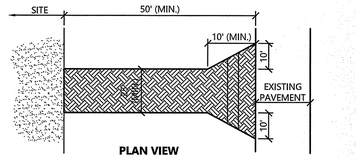
**TRAP 3**
L=260 LF
TRAP WIDTH=4.0'
WET STORAGE DEPTH=1'
DRY STORAGE DEPTH=0.7'
H=1.7'
W=2'

**TRAP 4**
L=190 LF
TRAP WIDTH=6.2'
WET STORAGE DEPTH=1'
DRY STORAGE DEPTH=0.75'
H=1.75'
W=2'

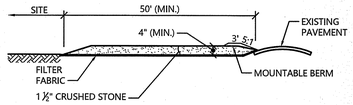
**TOP WIDTH VS. HEIGHT**
H=HEIGHT OF EMBANKMENT
W=TOP WIDTH OF EMBANKMENT

| H (FEET) | W (FEET) |
|---|---|
| 1.5 | 2.0 |
| 2.0 | 2.0 |
| 2.5 | 2.5 |
| 3.0 | 2.5 |
| 3.5 | 3.0 |
| 4.0 | 3.0 |
| 4.5 | 4.0 |
| 5.0 | 4.5 |

## TEMPORARY SEDIMENT TRAP
NOT TO SCALE




**PLAN VIEW**

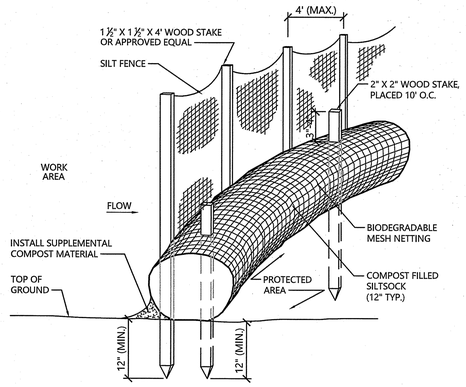



**CROSS-SECTION**

**NOTES**

1. EXIT WIDTH SHALL BE A TWENTY-FIVE (25) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
2. THE EXIT SHALL BE MAINTAINED IN A CONDITION WHICH SHALL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. BERM SHALL BE PERMITTED. PERIODIC INSPECTION AND MAINTENANCE SHALL BE PROVIDED AS NEEDED.
3. STABILIZED CONSTRUCTION EXIT SHALL BE REMOVED PRIOR TO FINAL FINISH MATERIALS BEING INSTALLED.

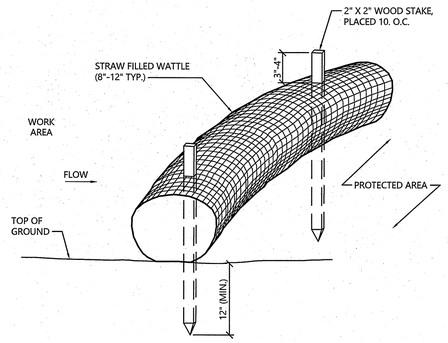
## Stabilized Construction Exit
1/16
N.T.S. Source: VHB LD_682




**NOTES**

1. SILTSOCK SHALL BE FILTREXX SILTSOXX, OR APPROVED EQUAL.
2. SILTSOCKS SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. SILTSOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

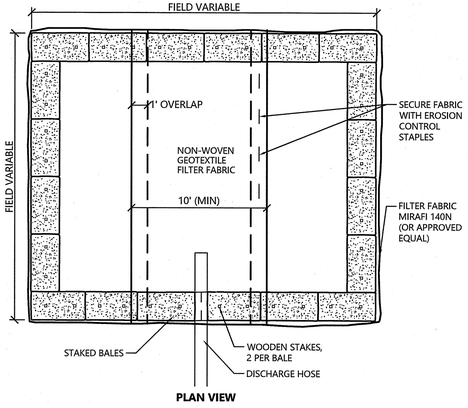
## SILTSOCK/ SILT FENCE BARRIER
NOT TO SCALE



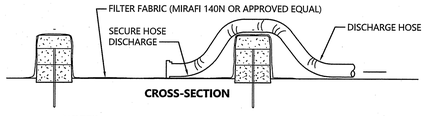

**NOTES**

1. STRAW WATTLE SHALL BE AS MANUFACTURED BY EARTHSAVER OR APPROVED EQUAL.
2. STRAW WATTLES SHALL OVERLAP A MINIMUM OF 12 INCHES.
3. STRAW WATTLE SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED.
4. TEMPORARY STRAW WATTLES TO BE REMOVED BY CONTRACTOR. ALL OTHERS TO REMAIN IN PLACE UNLESS DIRECTED OTHERWISE BY ENGINEER.
5. IF NON BIODEGRADABLE NETTING IS USED THE NETTING SHALL BE COLLECTED AND DISPOSED OF OFFSITE.

## Straw Wattle - Erosion Control Barrier
1/16
N.T.S. Source: VHB LD_659




**PLAN VIEW**




**CROSS-SECTION**

**NOTES**

1. NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS.
2. THE BASIN TO BE SIZED TO PREVENT DISCHARGE WATER FROM OVERTOPPING BASIN.

## DEWATERING STRAW BALE BASIN
NOT TO SCALE

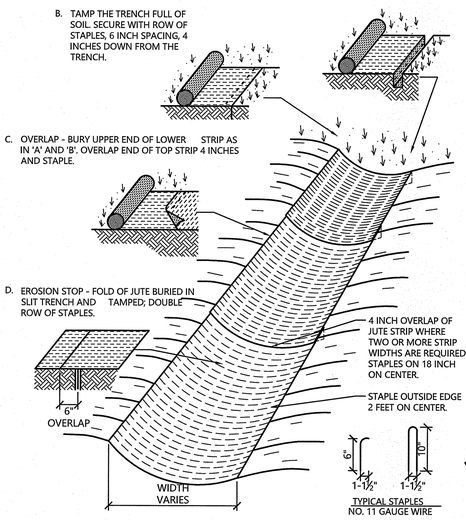
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

A. BURY THE TOP END OF THE JUTE STRIPS IN A TRENCH 6 INCHES OR MORE IN DEPTH. SECURE WITH ROW OF STAPLES IN VERTICAL TRENCH WALL, 6 INCH SPACING, 4 INCHES DOWN FROM TOP OF TRENCH

B. TAMP THE TRENCH FULL OF SOIL. SECURE WITH ROW OF STAPLES, 6 INCH SPACING, 4 INCHES DOWN FROM THE TRENCH.

C. OVERLAP - BURY UPPER END OF LOWER STRIP AS IN 'A' AND 'B'. OVERLAP END OF TOP STRIP 4 INCHES AND STAPLE.

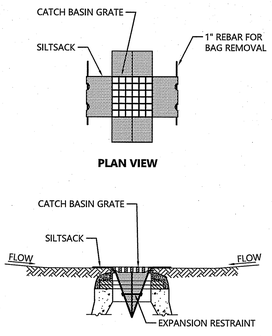
D. EROSION STOP - FOLD OF JUTE BURIED IN SLIT TRENCH AND TAMPED; DOUBLE ROW OF STAPLES.



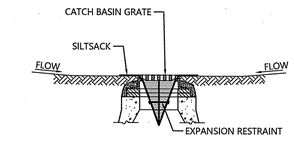

* INSTALLATION SHALL BE AS PER MANUFACTURER'S RECOMMENDATIONS

## EROSION CONTROL BLANKET SWALE INSTALLATION
NOT TO SCALE

Environmental Management
FEB 26 2021
Office of Water Resources




**PLAN VIEW**

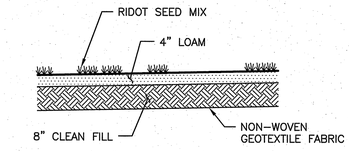



**SECTION VIEW**

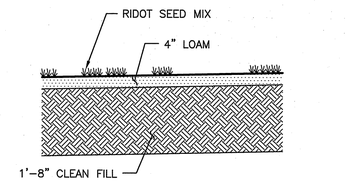
**NOTES**

1. INSTALL SILTSACK IN ALL CATCH BASINS WHERE INDICATED ON THE PLAN BEFORE COMMENCING WORK OR IN PAVED AREAS AFTER BINDER COURSE IS PLACED AND HAY BALES HAVE BEEN REMOVED.
2. GRATE TO BE PLACED OVER SILTSACK.
3. SILTSACK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND CLEANING OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. MAINTAIN UNTIL UPSTREAM AREAS HAVE BEEN PERMANENTLY STABILIZED

## Siltsack Sediment Trap
1/16
N.T.S. Source: VHB LD_674




## WITH SOIL SEPERATOR FABRIC




## WITHOUT SOIL SEPERATOR FABRIC

## ENGINEERED CAP
NOT TO SCALE

1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
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A COPY MUST BE AT CONSTRUCTION SITE

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 86
OF:

SCALE: AS SHOWN

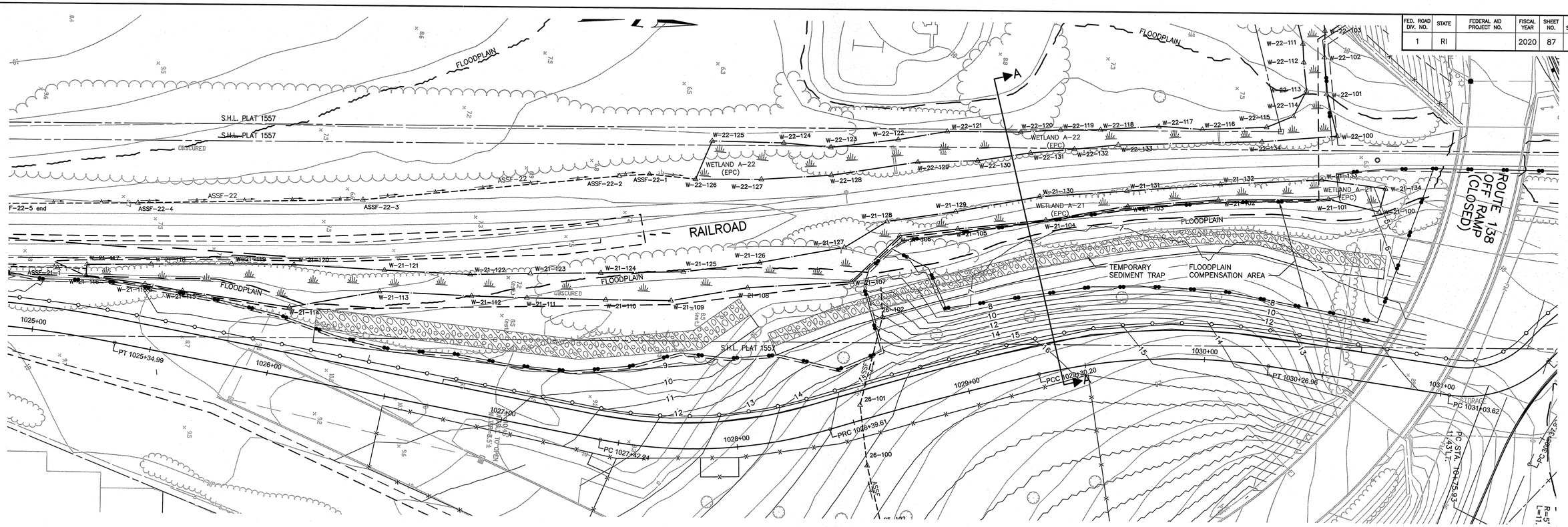
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |
| | | | | | |
| | | | | | |

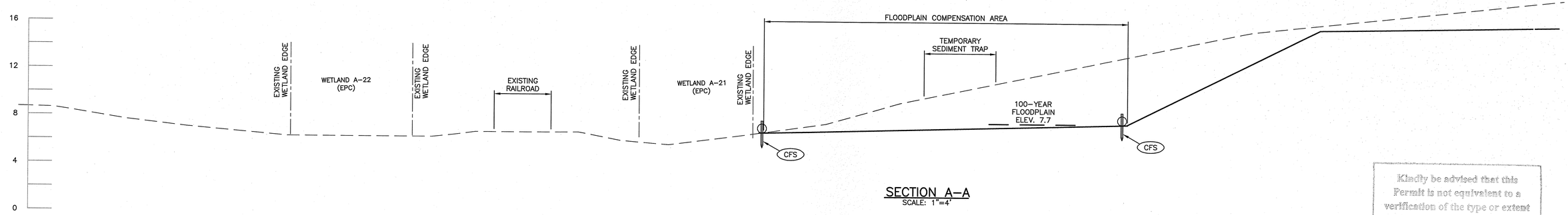
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# DRAINAGE DETAILS NO. 2

0050B_V1_086_DDETAIL002

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 87 | 127 |




SECTION A–A
SCALE: 1"=4'

Environmental Management
FEB 26 2021
Office of Water Resources

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vhb
1 Cedar Street
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Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 87
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# FLOODPLAIN COMPENSATION PLAN

0050B_V1_087_FLOODCOM001

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 88 | 127 |

## SEEDING NOTES

1. WETLAND SEED BETWEEN ELEVATIONS 1 FOOT TO 5 FEET

   WETLAND SEEDING: APPLY WETLAND SEED MIX TO ALL DISTURBED AREAS BETWEEN PLAN ELEVATIONS 1 FOOT AND 5 FEET. THE WETLAND SEED MIX CONTAINS NATIVE SEEDS SUITABLE FOR WETLAND RESTORATION SITES THAT ARE NOT PERMANENTLY FLOODED. THE MIX MAY BE SOWN BY HAND, WITH A HAND–HELD SPREADER, OR HYDRO–SEEDED. PREPARE THE SEED BED BY LIGHTLY RAKING TO IMPROVE SEED TO SOIL CONTACT. BELOW ELEVATION 3 FEET, SEED MAY BE APPLIED BEFORE OR AFTER THE COIR MAT HAS BEEN INSTALLED. WINTER (DORMANT) SEEDING IS NOT APPROPRIATE FOR THIS SITE BELOW ELEVATION 3 FEET. IF SPRING CONDITIONS ARE DRIER THAN USUAL WATERING MAY BE REQUIRED. IF SOWING DURING THE SUMMER MONTHS SUPPLEMENTAL WATERING MAY BE REQUIRED UNTIL GERMINATION.

   APPLICATION RATE: 1 LB/2500 SQ. FT.

   TYPICAL SPECIES: FOX SEDGE (CAREX VULPINOIDEA), SALLOW SEDGE (CAREX LURIDA), BROOM SEDGE (CAREX SCOPARIA), SENSITIVE FERN (ONOCLEA SENSIBILIS), BLUE VERVAIN(VERBENA HASTATA), HOP SEDGE (CAREX LUPULINA), DARK–GREEN BULRUSH (SCIRPUS ATROVIRENS), NODDING BUR–MARIGOLD (BIDENS CERNUA), BRISTLY SEDGE (CAREX COMOSA), FRINGED SEDGE (CAREX CRINITA), TALL MANNAGRASS (GLYCERIA GRANDIS), WOOL–GRASS (SCIRPUS CYPERINUS), SOFT RUSH (JUNCUS EFFUSUS), SPOTTED JOE–PYE–WEED (EUTROCHIUM MACULATUM), BONESET (EUPATORIUM PERFOLIATUM), AMERICAN WATER–PLANTAIN (ALISMA SUBCORDATUM), NEW ENGLAND ASTER (SYMPHYOTRICHUM NOVAE–ANGLIAE), RATTLESNAKE MANNAGRASS (GLYCERIA CANADENSIS), PURPLE–STEM ASTER (SYMPHYOTRICHUM PUNICEUM), SOFT–STEMMED BULRUSH (SCHOENOPLECTUS TABERNAEMONTANI), BLUEFLAG (IRIS VERSICOLOR), SWAMP MILKWEED (ASCLEPIAS INCARNATA), AND ALLEGHENY MONKEY–FLOWER (MIMULUS RINGENS).

2. SUPPLEMENTAL PLANTINGS CAN BE INSTALLED THROUGH THE CM–40 MESH BY SPREADING THE WEAVE WITHOUT CUTTING THE MESH. PLANT IN GROUPS OF 5 OR 10 OF THE SAME SPECIES AT SPACINGS PROVIDED. IN ADDITION TO THESE PLANTINGS APPLY 1 POUND OF WILD RICE SEED PER 1000 SQUARE FEET BETWEEN PLAN ELEVATIONS 1 FOOT AND 3 FEET. THIS APPLICATION MAY BE MADE OVER THE INSTALLED CM–40 MESH.

WETLAND SOIL NOTES

SOILS PRESENT ON THE SITE ARE INFESTED WITH THE NON–NATIVE COMMON REED (PHRAGMITES AUSTRALIS) WHICH MUST BE ERADICATED BEFORE THE RESTORED WETLAND IS PREPARED FOR PLANTING. INFECTED SOILS MUST BE REMOVED FROM THE SITE AND DISPOSED OF IN A MANNER THAT WILL NOT CAUSE SPREAD TO OTHER WETLANDS. OBTAIN A TOPSOIL THAT MEETS M.18.04 HIGH ORGANIC SOIL. IF MANUFACTURED WITH COMPOST, ONLY COMPOST MEETING M.18.03 FREE FROM BIOSOLIDS MAY BE USED. TO ENHANCE HANDLING CHARACTERISTICS OF THE HIGH ORGANIC SOIL THE MINERAL FRACTION SHOULD CONTAIN A MINIMUM 70 PERCENT SAND AND CLASSIFY AS A USDA SANDY LOAM OR LOAMY SAND.

RIVERBANK WETLAND

PLANT RIDOT M.18.10.6 NATIVE SEED MIX ABOVE ELEVATION 5 FEET TO THE MOWING LIMITS OF THE ROAD SHOULDER. THE MOWING ZONE SHOULD BE SEEDED AS NOTED ON SITE PLANS.

## STOCKPILE AND DEWATERING OF DREDGE MATERIALS

1. THE STOCKPILE CONTAINMENT AREA SHALL BE LARGE ENOUGH TO ALLOW FOR SUFFICIENT WATER TO DRAIN FROM THE SOIL SO THAT IT MAY BE REGRADED OR TRANSPORTED.
2. LOCATE THE CONTAINMENT AREA SO THAT THE MATERIAL BEING DEWATERED DOES NOT INTERFERE WITH OTHER CONSTRUCTION ACTIVITIES AND CAN BE LEFT IN PLACE FOR THE TIME NECESSARY TO DEWATER.
3. CONTAINMENT AREAS SHALL NOT BE PLACED IN ANY WETLAND, WATERCOURSES, DRAINAGE WAYS, OR WOODED AREA.

## SWALE RESTORATION WORK

1. WORK REQUIRED TO RESTORE THE EXISTING DRAINAGE SWALES PER PLANS WILL REQUIRE DEWATERING. THE CONTRACTOR SHALL DETERMINE THE NECESSARY PUMP REQUIREMENTS AND TEMPORARY SETTLING BASIN SIZE REQUIREMENTS SO THAT THE RESTORATION WORK CAN BE COMPLETED IN THE DRY. THE CONTRACTOR SHALL PROVIDE COFFERDAM DESIGN AND SUBMIT TO THE ENGINEER FOR REVIEW.
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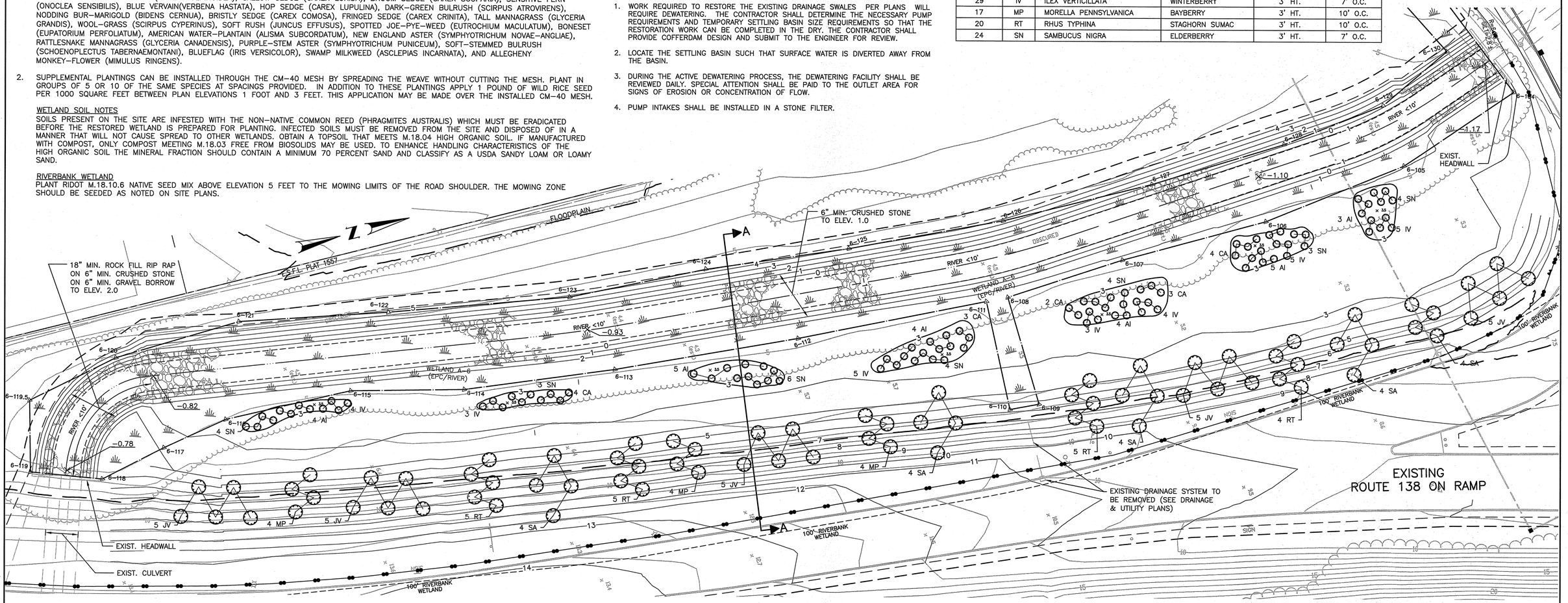
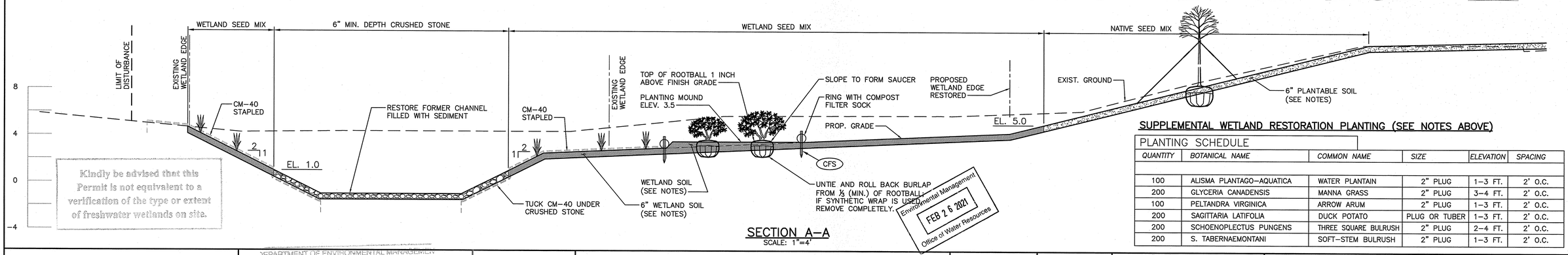
4. PUMP INTAKES SHALL BE INSTALLED IN A STONE FILTER.

PLANTING SCHEDULE

| QUANTITY | KEY | BOTANICAL NAME | COMMON NAME | SIZE | SPACING |
|---|---|---|---|---|---|
| *TREES* | | | | | |
| 25 | JV | JUNIPERUS VIRGINIANA | RED CEDAR | 4' HT. | 15' O.C. |
| 16 | SA | SASSAFRAS ALBIDUM | SASSAFRAS | 4' HT. | 15' O.C. |
| *SHRUBS* | | | | | |
| 29 | AI | ALNUS INCANA | ALDER | 3' HT. | 7' O.C. |
| 14 | CA | CORNUS AMOMUM | SILKY DOGWOOD | 3' HT. | 7' O.C. |
| 29 | IV | ILEX VERTICILLATA | WINTERBERRY | 3' HT. | 7' O.C. |
| 17 | MP | MORELLA PENNSYLVANICA | BAYBERRY | 3' HT. | 10' O.C. |
| 20 | RT | RHUS TYPHINA | STAGHORN SUMAC | 3' HT. | 10' O.C. |
| 24 | SN | SAMBUCUS NIGRA | ELDERBERRY | 3' HT. | 7' O.C. |




SECTION A–A
SCALE: 1"=4'

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Environmental Management
FEB 26 2021
Office of Water Resources

SUPPLEMENTAL WETLAND RESTORATION PLANTING (SEE NOTES ABOVE)

PLANTING SCHEDULE

| QUANTITY | BOTANICAL NAME | COMMON NAME | SIZE | ELEVATION | SPACING |
|---|---|---|---|---|---|
| 100 | ALISMA PLANTAGO–AQUATICA | WATER PLANTAIN | 2" PLUG | 1–3 FT. | 2' O.C. |
| 200 | GLYCERIA CANADENSIS | MANNA GRASS | 2" PLUG | 3–4 FT. | 2' O.C. |
| 100 | PELTANDRA VIRGINICA | ARROW ARUM | 2" PLUG | 1–3 FT. | 2' O.C. |
| 200 | SAGITTARIA LATIFOLIA | DUCK POTATO | PLUG OR TUBER | 1–3 FT. | 2' O.C. |
| 200 | SCHOENOPLECTUS PUNGENS | THREE SQUARE BULRUSH | 2" PLUG | 2–4 FT. | 2' O.C. |
| 200 | S. TABERNAEMONTANI | SOFT–STEM BULRUSH | 2" PLUG | 1–3 FT. | 2' O.C. |


vhb
1 Cedar Street
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 88
OF:

SCALE: 1"=20'
GRAPHIC SCALE

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PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

WETLAND RESTORATION PLAN NO. 1

0050B_V1_088_WETLAND001

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 89 | 127 |

## STOCKPILE AND DEWATERING OF DREDGE MATERIALS

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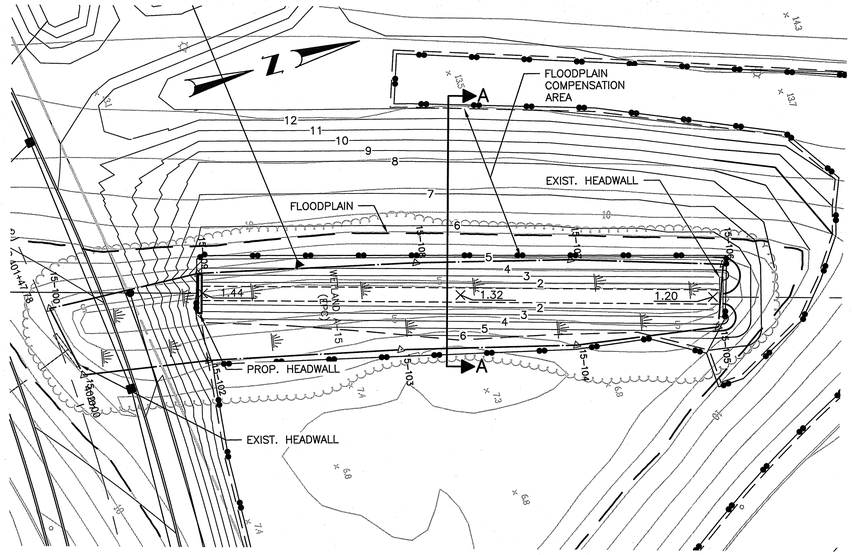


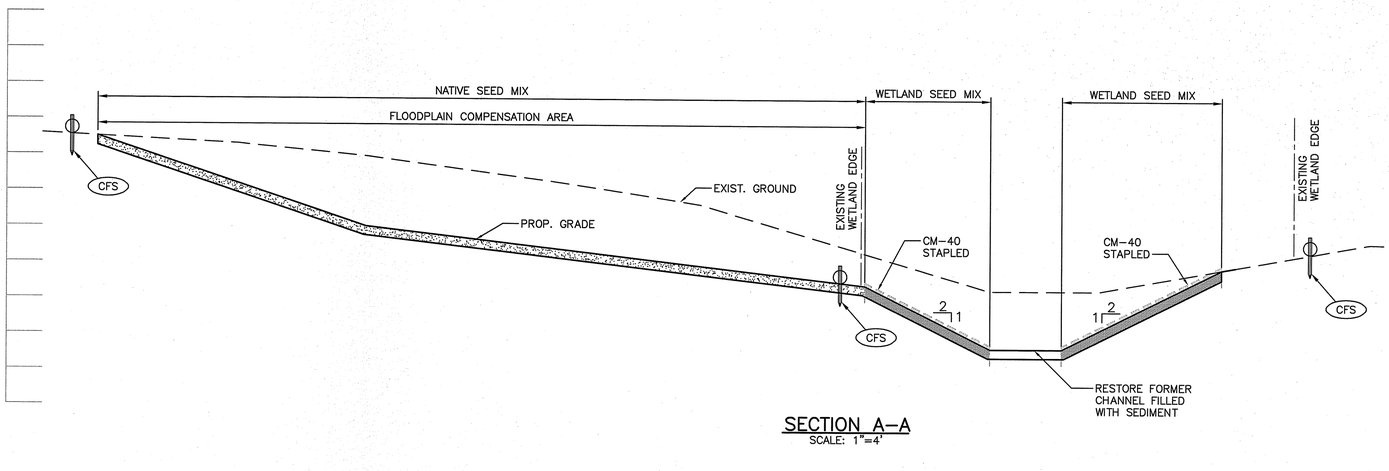


SECTION A–A
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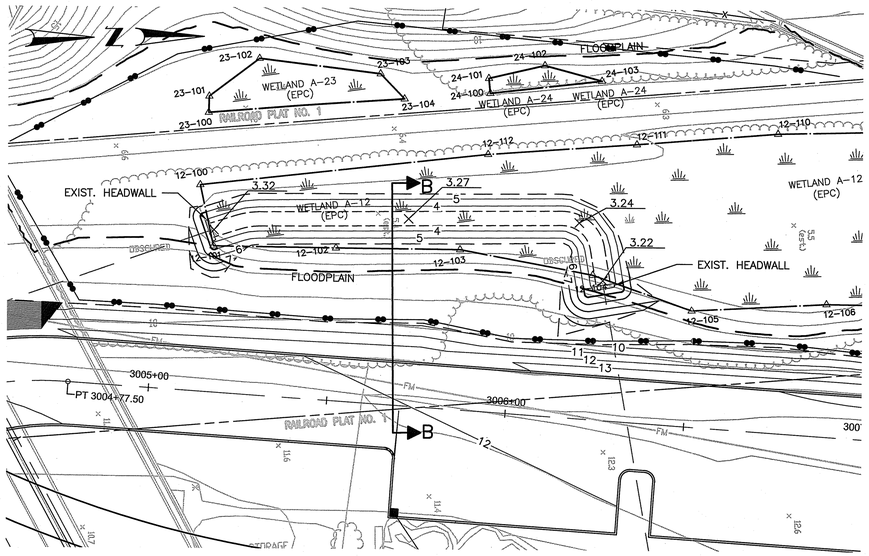


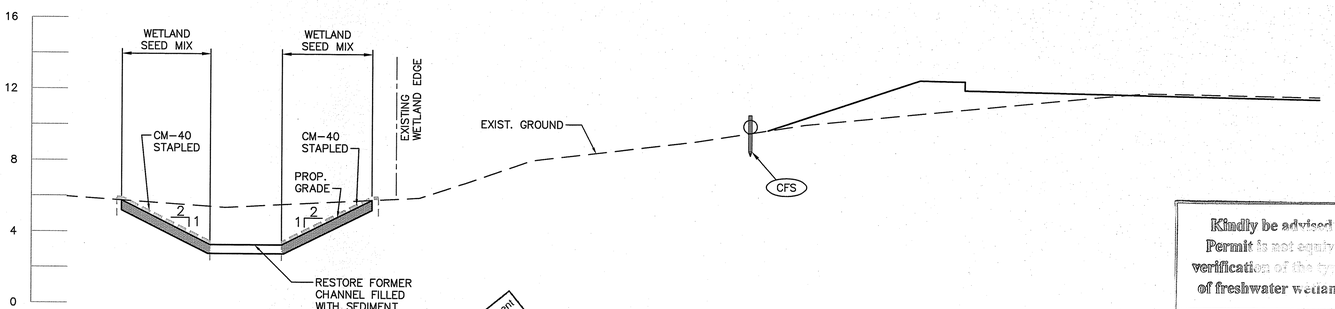


SECTION B–B
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Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH SPECIAL CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 20-0292
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

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SHEET: 89
OF:

SCALE: 1"=20'
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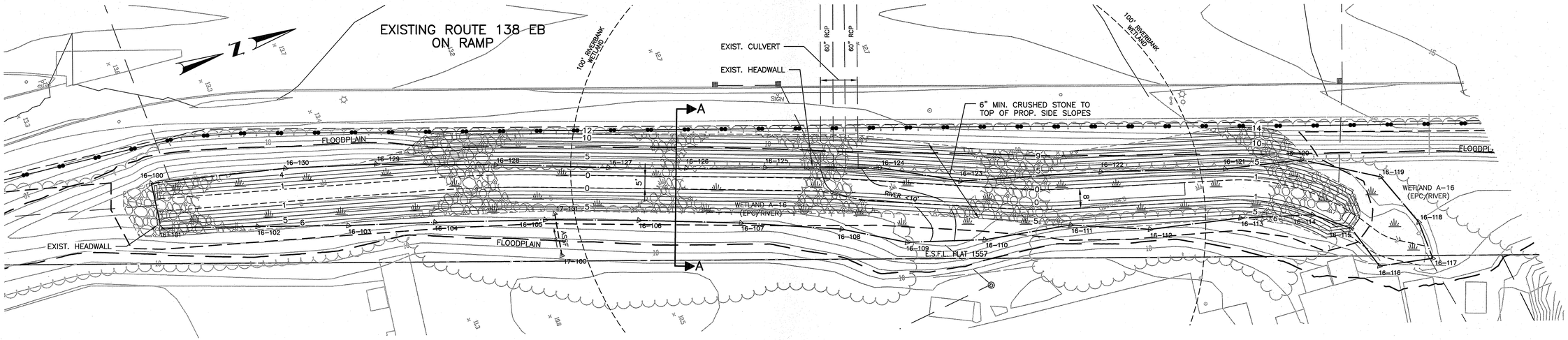
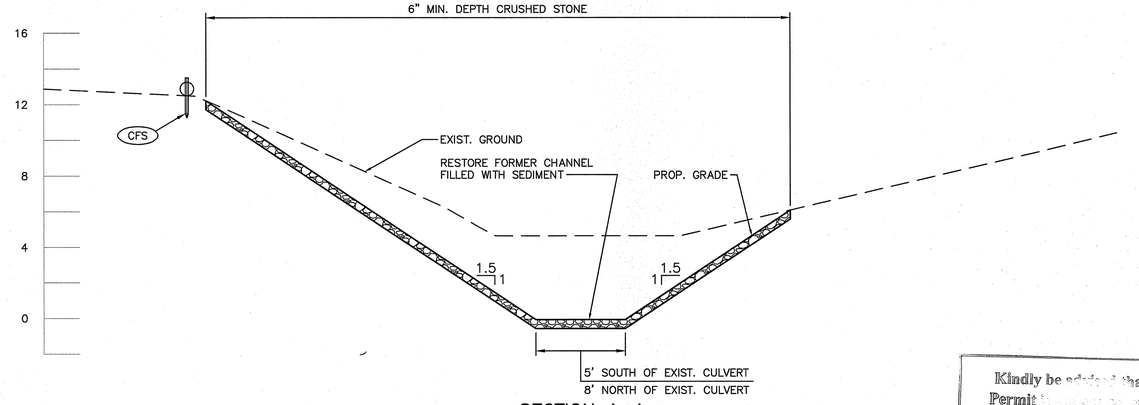
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# MS4 MAINTENANCE PLAN NO. 1

0050B_V1_089_WETMAINT001

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 90 | 127 |

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RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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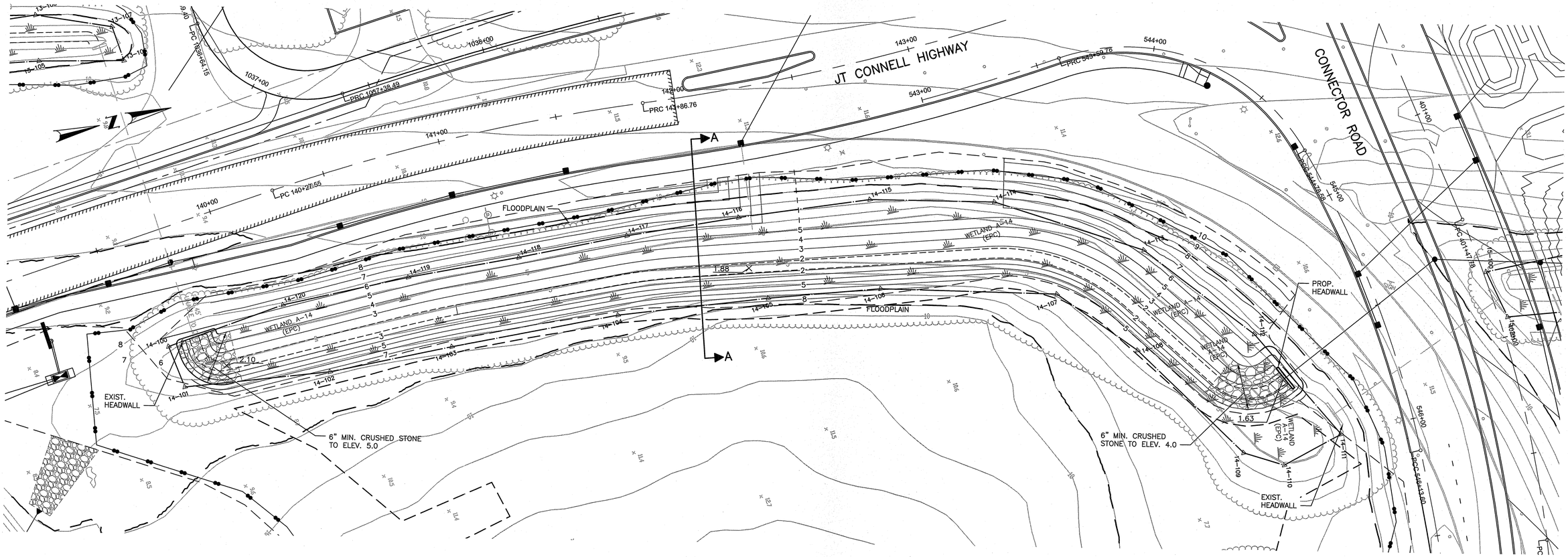
# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

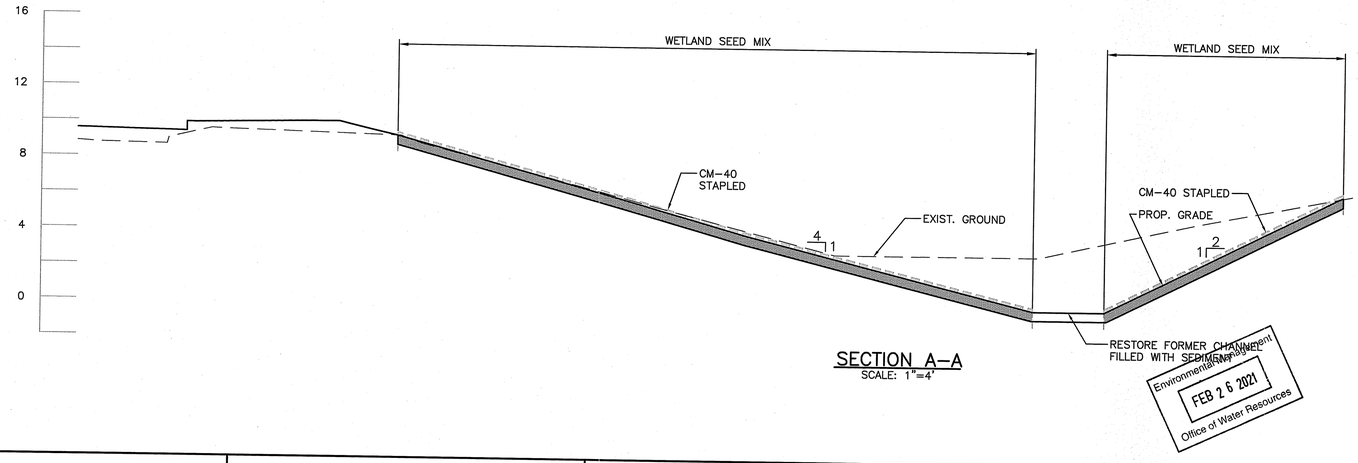
NEWPORT RHODE ISLAND

## MS4 MAINTENANCE PLAN NO. 2

0050B_V1_090_WETMAINT002

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 91 | 127 |




SECTION A–A
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Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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RI DOT
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PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# MS4 MAINTENANCE PLAN NO. 3

0050B_V1_091_WETMAINT003

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
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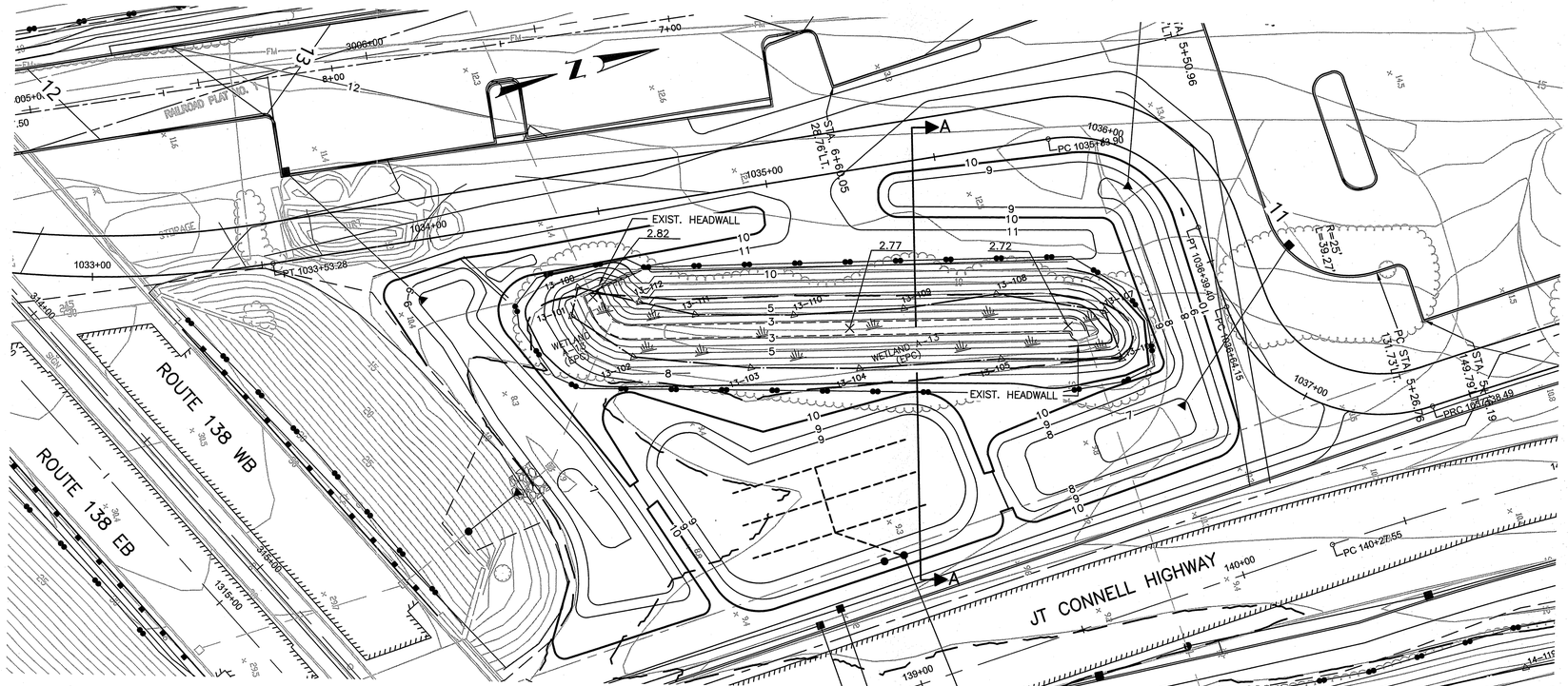


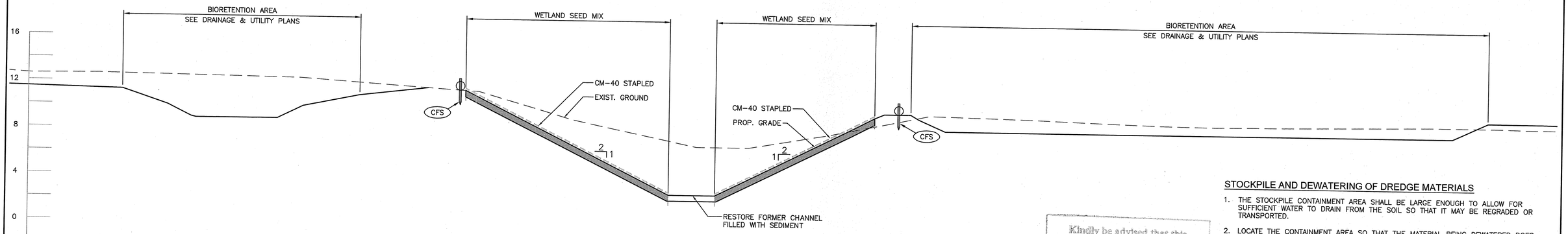


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PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# MS4 MAINTENANCE PLAN NO. 4

0050B_V1_092_WETMAINT004

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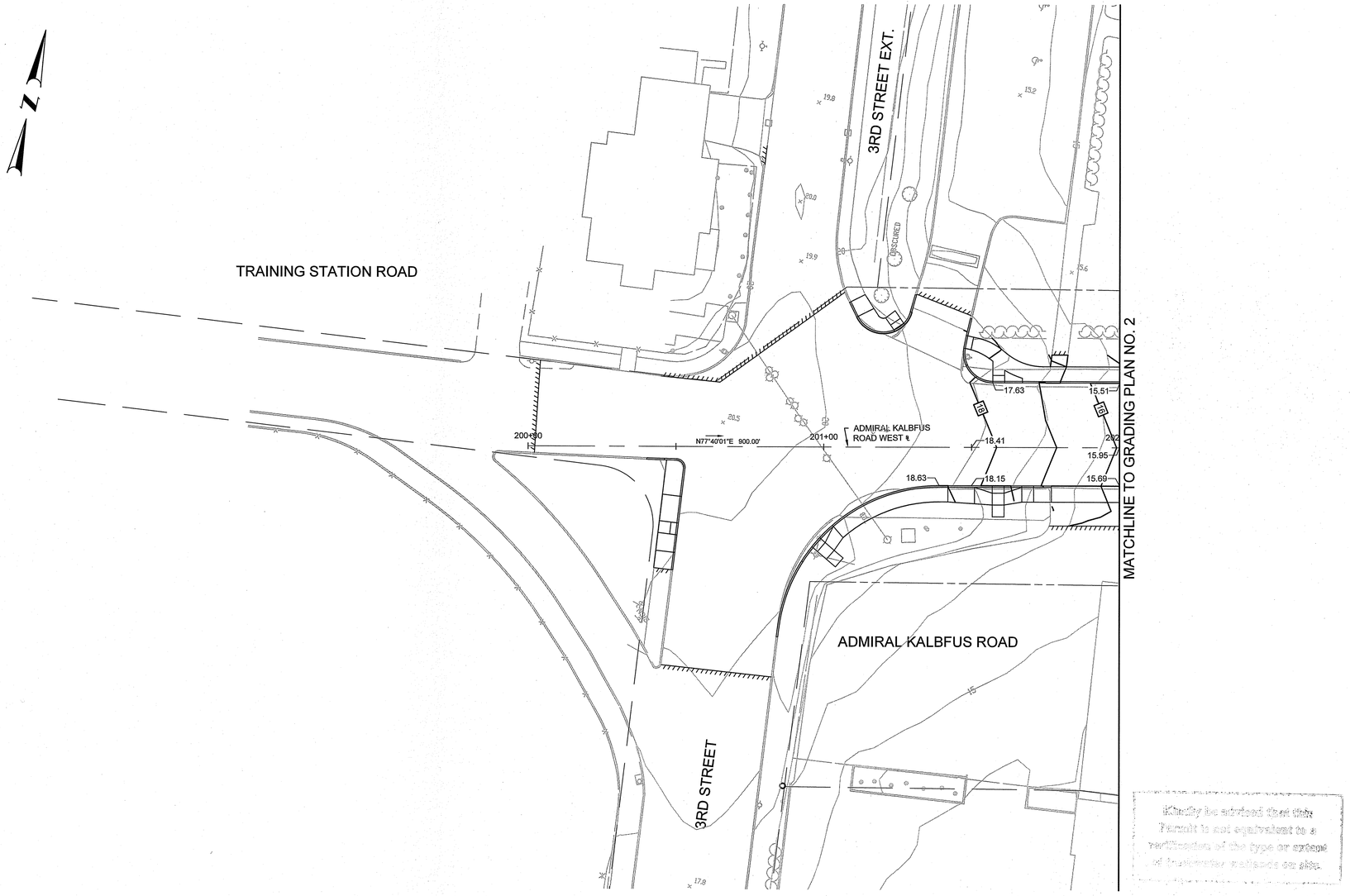


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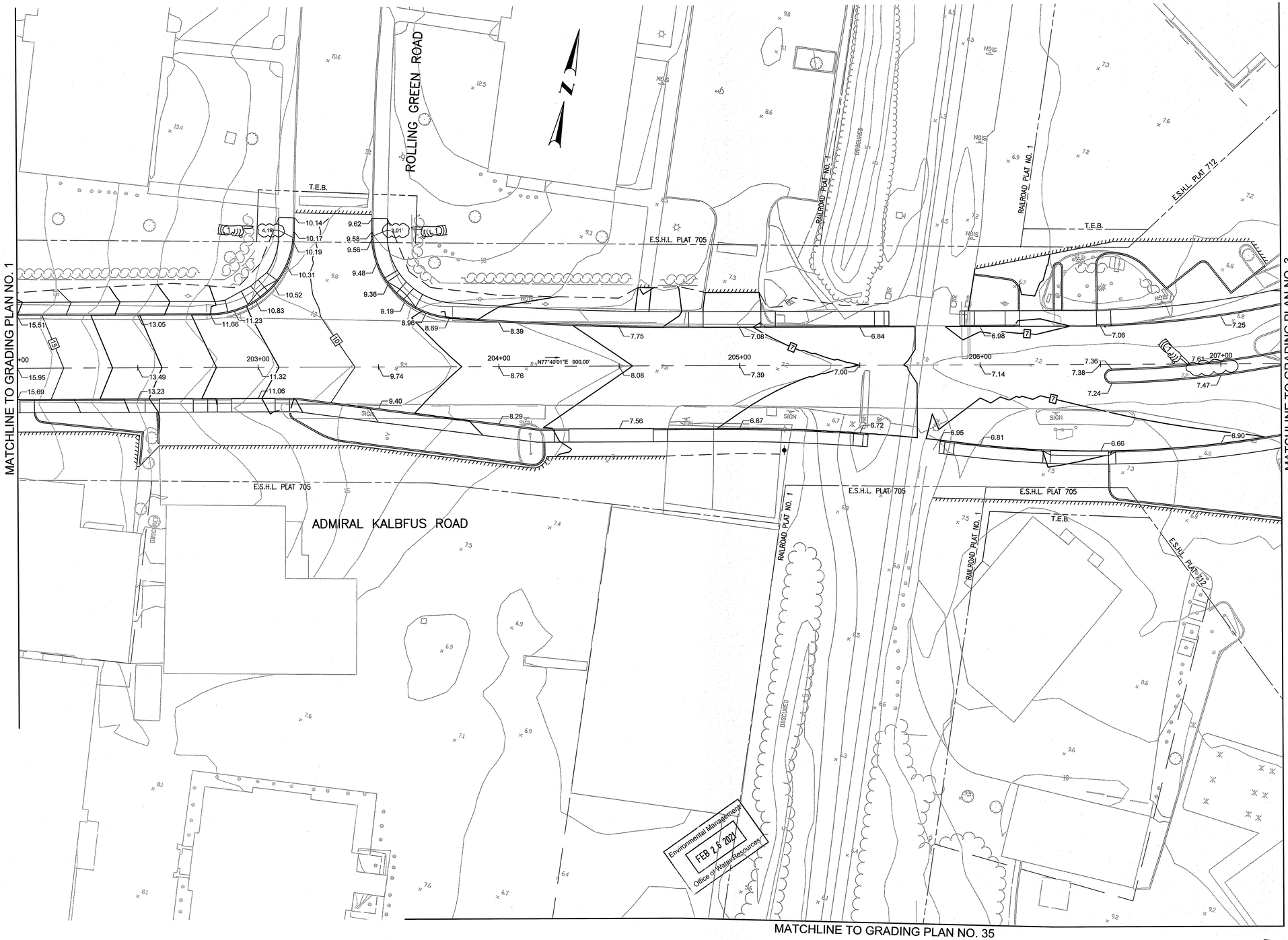
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 1

0050B_V1_093_GRADING001

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 94 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 94
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 2

0050B_V1_094_GRADING002_ADD04

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 95 | 127 |

MATCHLINE TO GRADING PLAN NO. 2

MATCHLINE TO GRADING PLAN NO. 17

MATCHLINE TO GRADING PLAN NO. 18

MATCHLINE TO GRADING PLAN NO. 4

ADMIRAL KALBFUS ROAD

SHARED USE PATH

JT CONNELL HIGHWAY

ADMIRAL KALBFUS ROAD WEST ℄

JT CONNEL HIGHWAY SOUTH ℄

JT CONNELL HIGHWAY NORTH ℄

SHARED USE PATH ℄

E.S.H.L. PLAT 712

P.S.H.L. PLAT NO. 2975

E.S.H.L. PLAT 2519

OBSCURED

PC 1053+22.67

PC 1055+58.79

PT 1056+65.83

PC 1057+62.36

PT 1057+78.05

PRC 1058+97.17

PCC 1059+60.53

PC 1056+47.32

PT 1056+64.32

Emergency Management Agency
FEB 25 2021
Office of Water Resources

Permit is not complete until verification of the type of permit is properly entered in this box.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
PERFORMED IN ACCORDANCE WITH THE PROGRAM APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE NO. 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 95
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

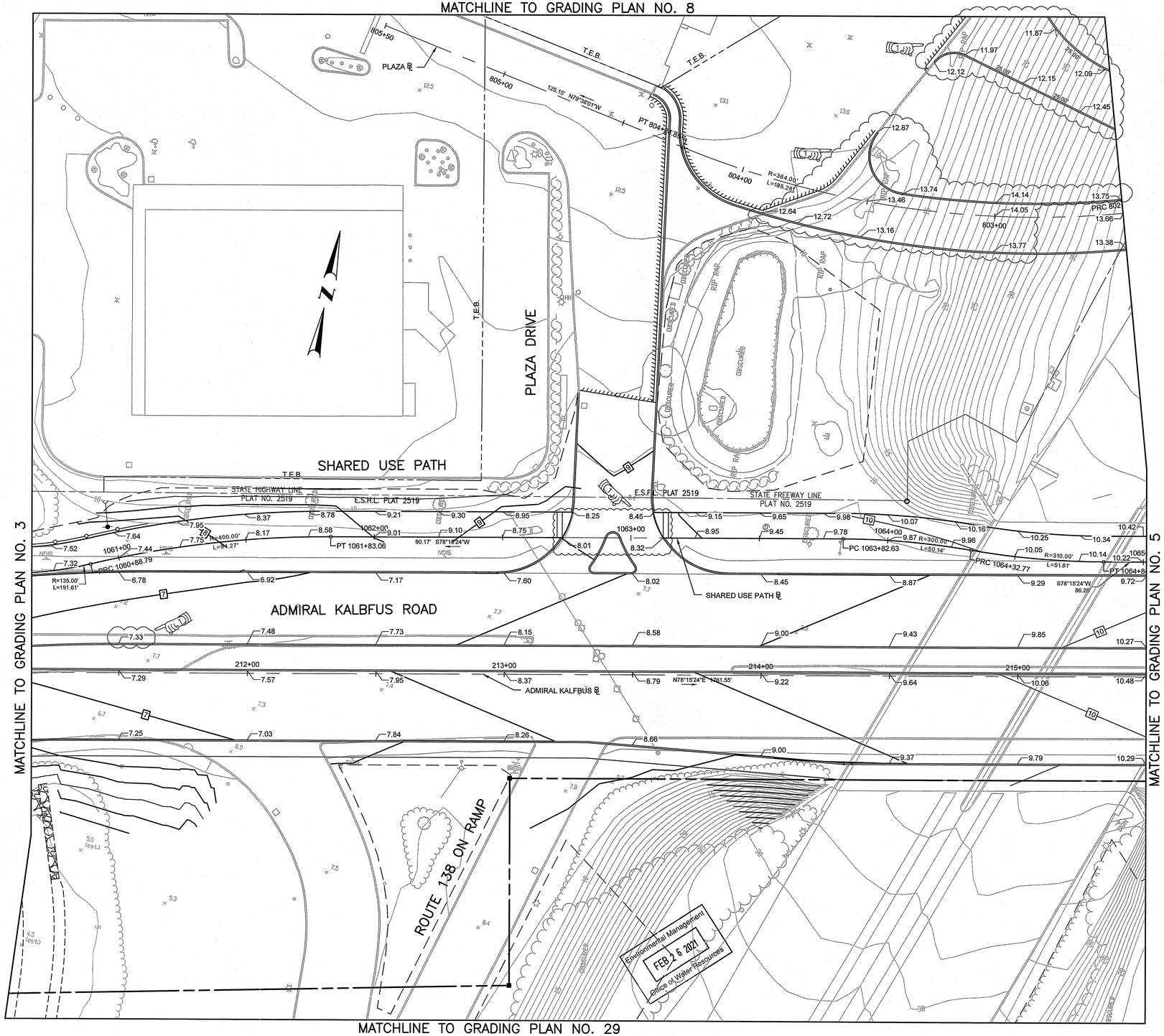
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 3

0050B_V1_095_GRADING003_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 96 | 127 |




ADDENDUM NO. 4

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT JOB SITE DURING


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 96
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

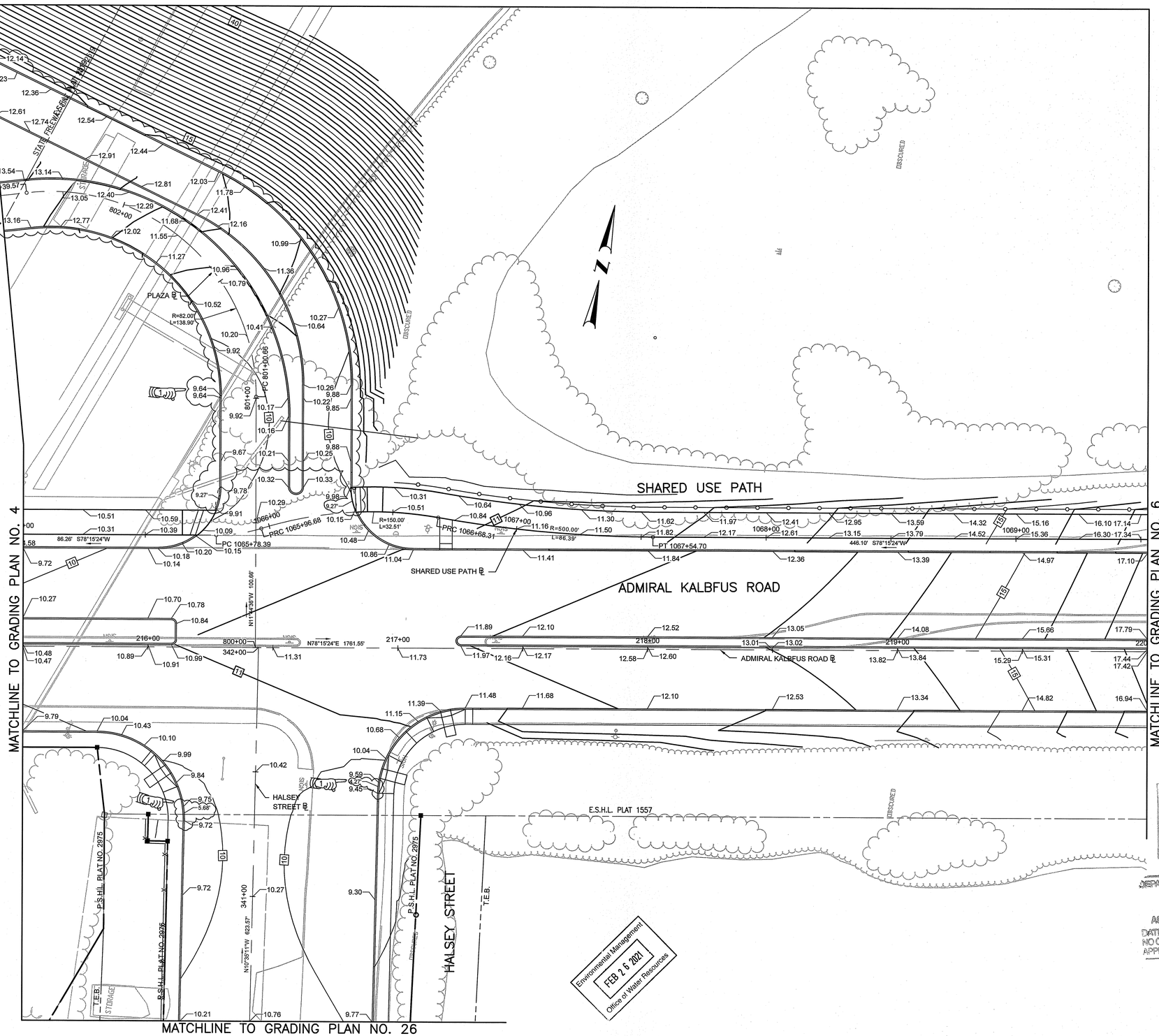
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 4

0050B_V1_096_GRADING004_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 97 | 127 |




Kindly be advised that this Permit is not approval to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVAL
AS SPECIFIED IN APPLICATION NO. 20-0256
DATED MAY 27 2021
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE ON SITE

Environmental Management
FEB 26 2021
Office of Water Resources

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 97
OF:

SCALE: 1"=20'
GRAPHIC SCALE

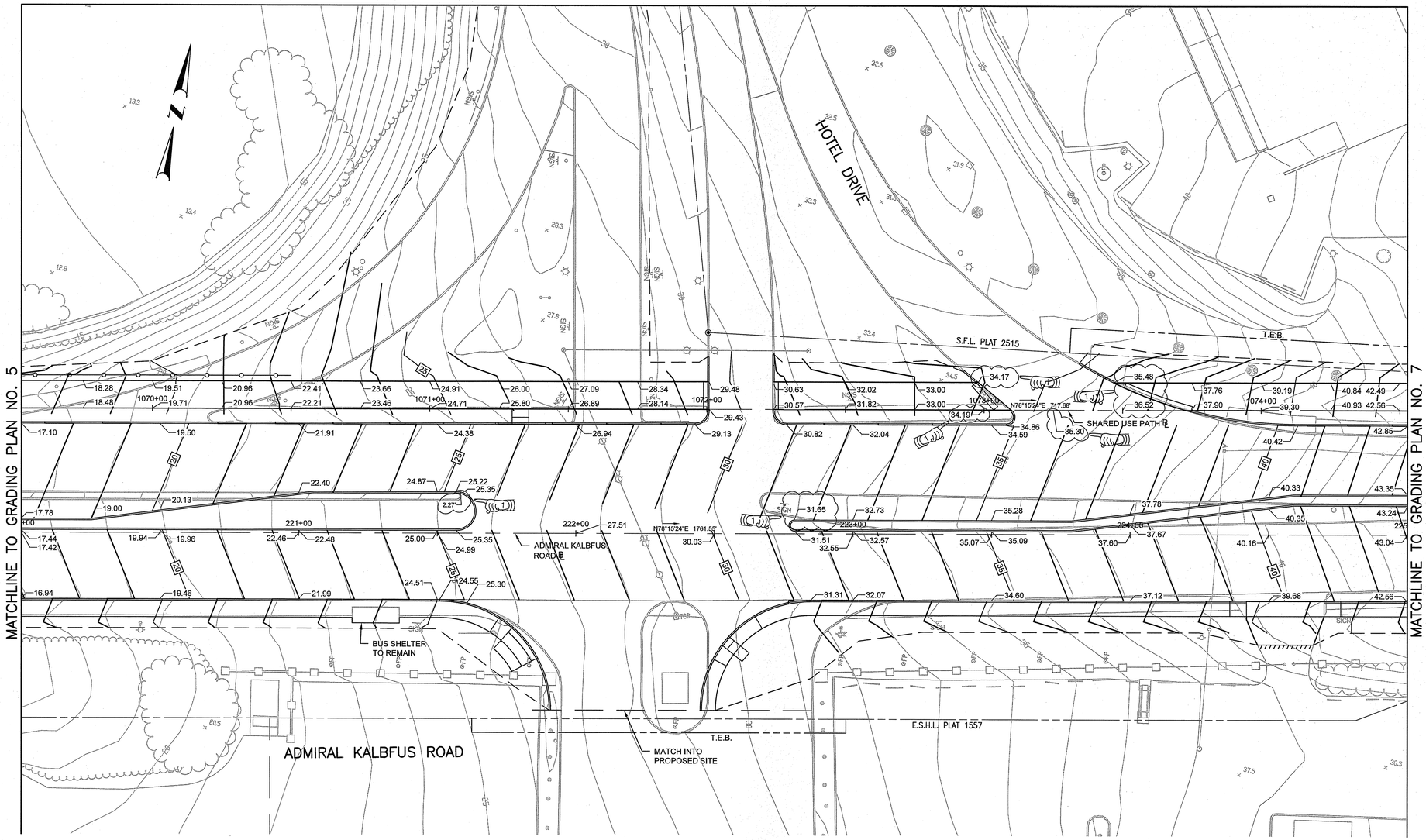
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 5

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 98 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management
FEB 2 6 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 4

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 98
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

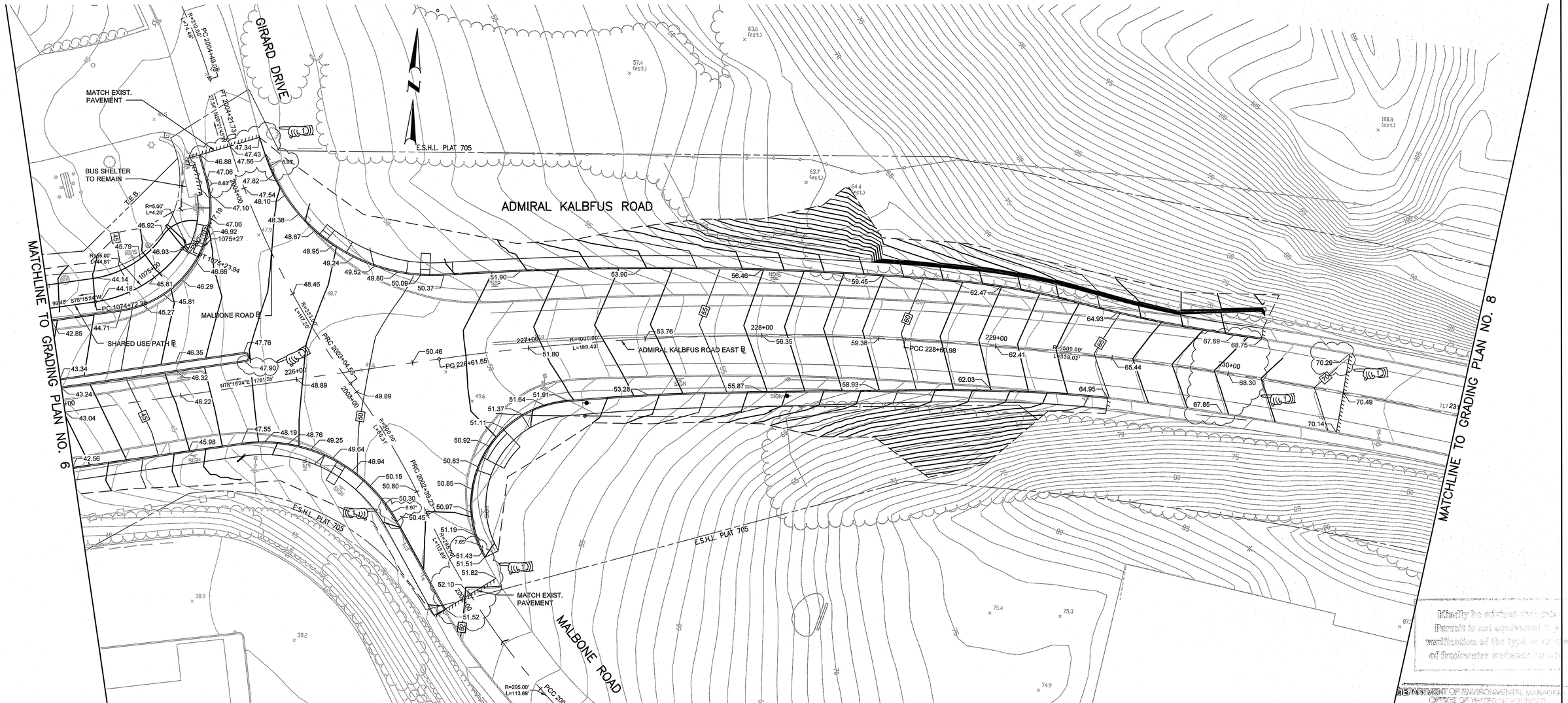
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 6

0050B_V1_098_GRADING006_ADD04

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 99 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or value of freshwater wetlands on the

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER DATED
DATE: MAY 27 2021 20-0256
NO CHANGES IN THE PLANS MAY BE MADE UNLESS
APPROVED PLANS MUST BE AVAILABLE ON SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 99
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 7

0050B_V1_099_GRADING007_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 100 | 127 |

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

MATCHLINE TO GRADING PLAN NO. 18

RK NEWPORT
TOWNE CENTER
PLAZA

MATCHLINE TO BELOW

MATCHLINE TO GRADING PLAN NO. 4

MATCHLINE TO ABOVE

OFF RAMP

Environmental Management
FEB 26 2021
Office of Water Resources

MATCHLINE TO GRADING PLAN NO. 5

MATCHLINE TO GRADING PLAN NO. 6

ADDENDUM NO. 4

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 100
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

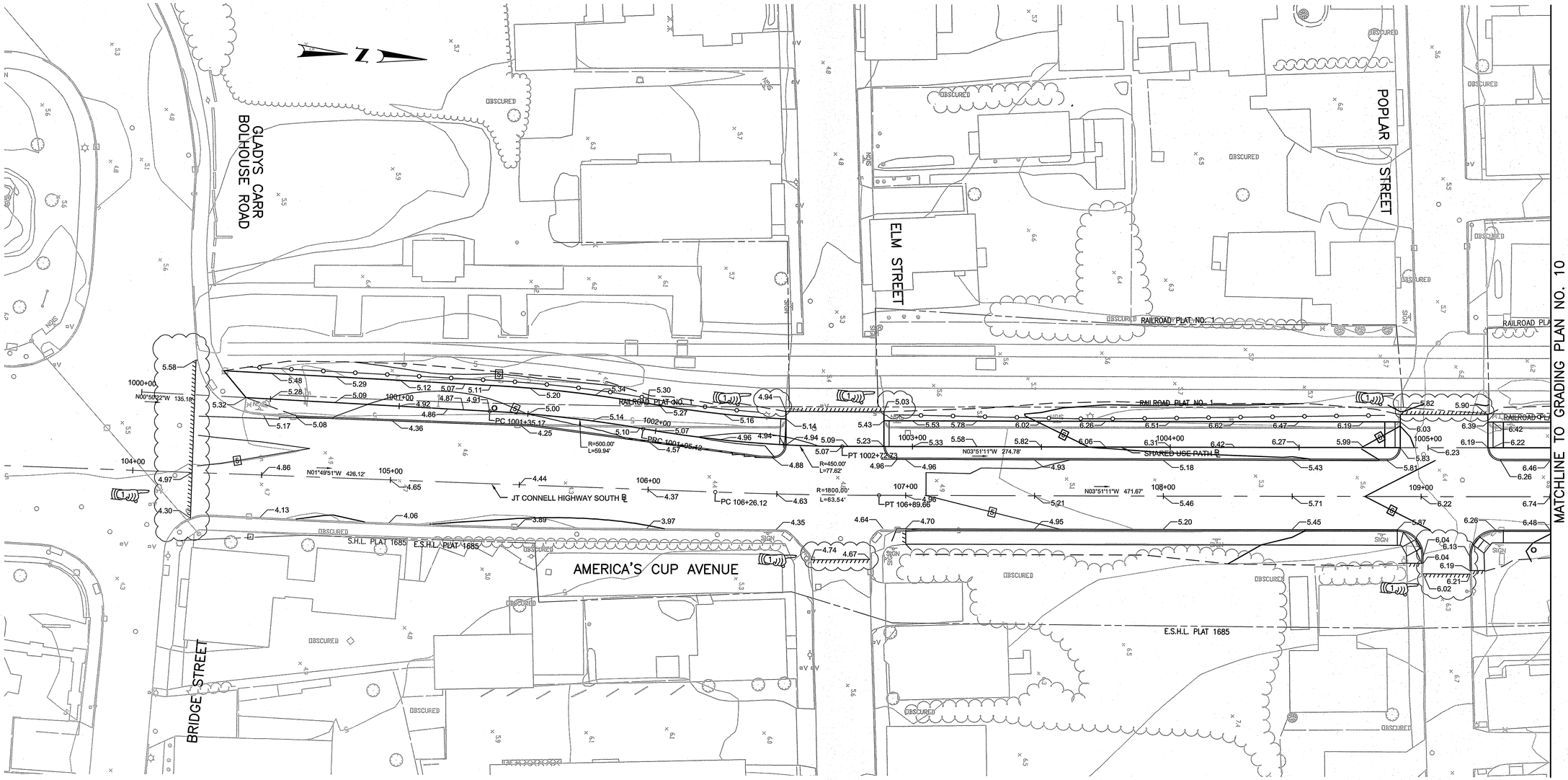
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 8

0050B_V1_100_GRADING008_ADD04

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 101 | 127 |




ADDENDUM NO. 4

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 101
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 9

0050B_V1_101_GRADING009_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 102 | 127 |

MATCHLINE TO GRADING PLAN NO. 9

MATCHLINE TO GRADING PLAN NO. 30

MATCHLINE TO GRADING PLAN NO. 11

AMERICA'S CUP AVENUE

MADISON COURT

BRAMAN STREET

FAREWELL STREET

FAREWELL STREET ℄

JT CONNELL HIGHWAY ℄

SHARED USE PATH ℄

E.S.H.L. PLAT 1685

T.E.B.

S.H.L. PLAT 1685

RAILROAD PLAT NO. 1

OBSCURED

cemetery

SIGN

N03°51'11"W 247.28'

N03°51'11"W 471.67'

N03°51'53"W 1316.50'

N39°19'40"W 111.71'

N04°24'19"W 885.46'

PC 1007+70.50

PRC 1008+79.64

PRC 1010+70.43

PT 1011+23.90

PC 1011+61.33

PC 3001+11.71

PT 3001+75.24

PT 3002+00

PC 1009+00

PC 1014+00

PRC 1014+54.50

PT 1014+77.50

R=198.00' L=230.57'

R=300.00' L=209.14'

R=34.00' L=53.46'

R=40.00' L=90.79'

R=200.00' L=65.63'

R=198.00' L=232.47'

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT-INTERVALS UNLESS OTHERWISE NOTED.

Environmental Management
FEB 2 6 2021
Office of Water Resources

RIDOT
Permit is not dependent on the Preliminary Plans as to the type or extent of improvements shown on this plan.
APPROVED
DATED MAY 27 2021
NO CHANGES MADE
APPROVED PLANS MUST BE COPY NOTED
20-0256

ADDENDUM NO. 4

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 102
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

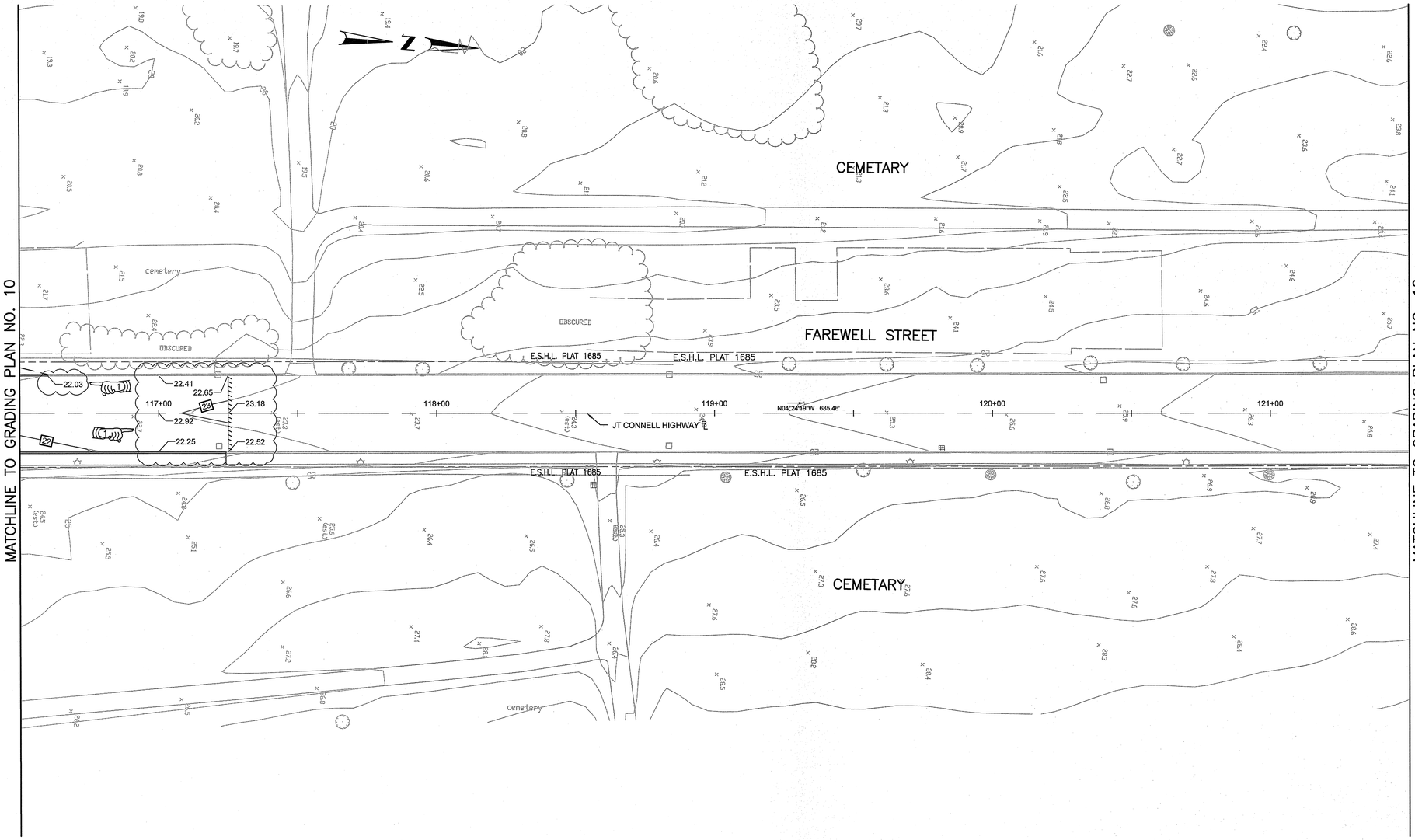
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 10

0050B_V1_102_GRADING010_ADD04

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 103 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMEN
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 103
OF:

SCALE: 1"=20'
GRAPHIC SCALE

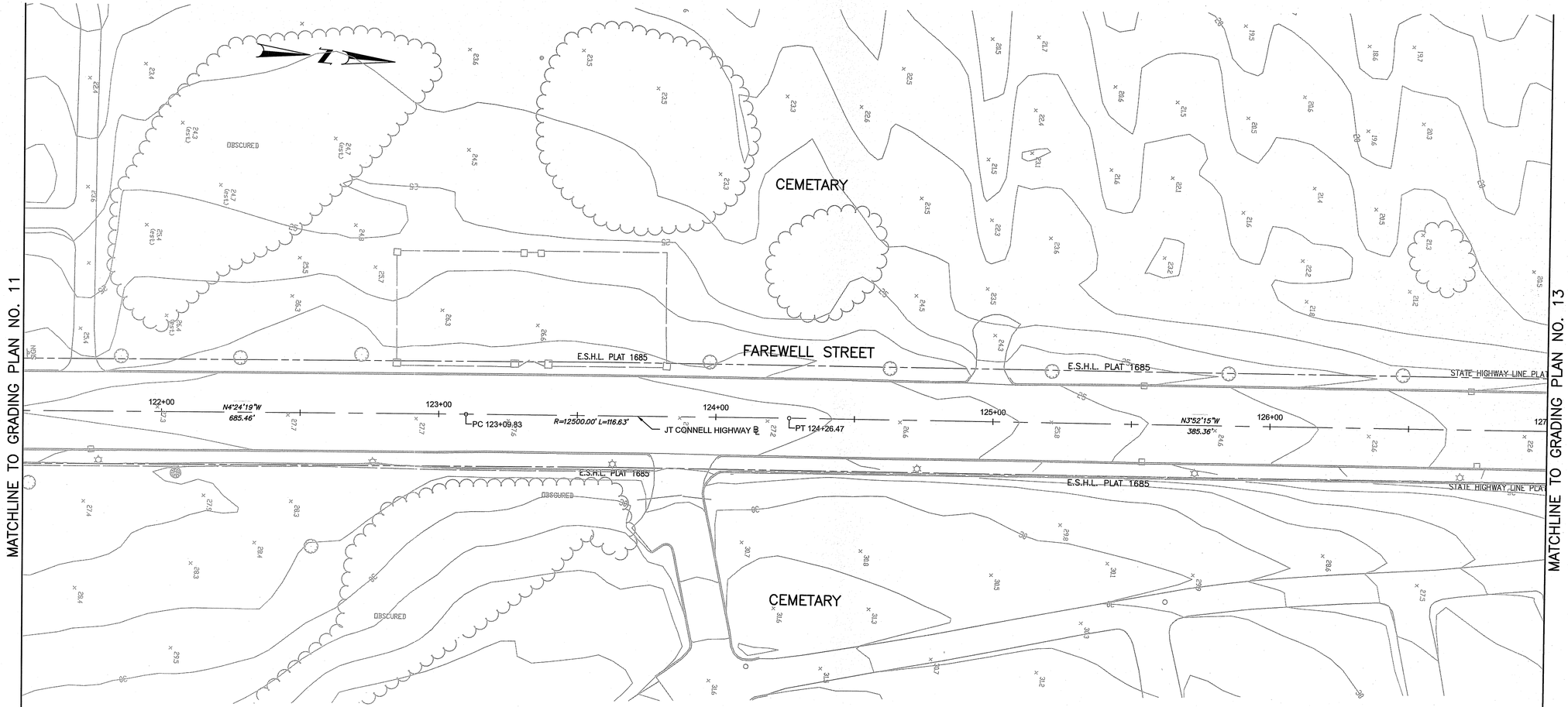
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 11

0050B_V1_103_GRADING011_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 104 | 127 |




NO WORK ON THIS SHEET

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that a Permit is not a guarantee / verification of the applicant's title of freshwater wetland [illegible]

[illegible] OF WATER RESOURCES
[illegible] WATER QUALITY CERTIFICATION PROGRAM
[illegible] OF WATER RESOURCES
[illegible] APPROVAL
MAY 27 2021 20-0236
[illegible] MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 104
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
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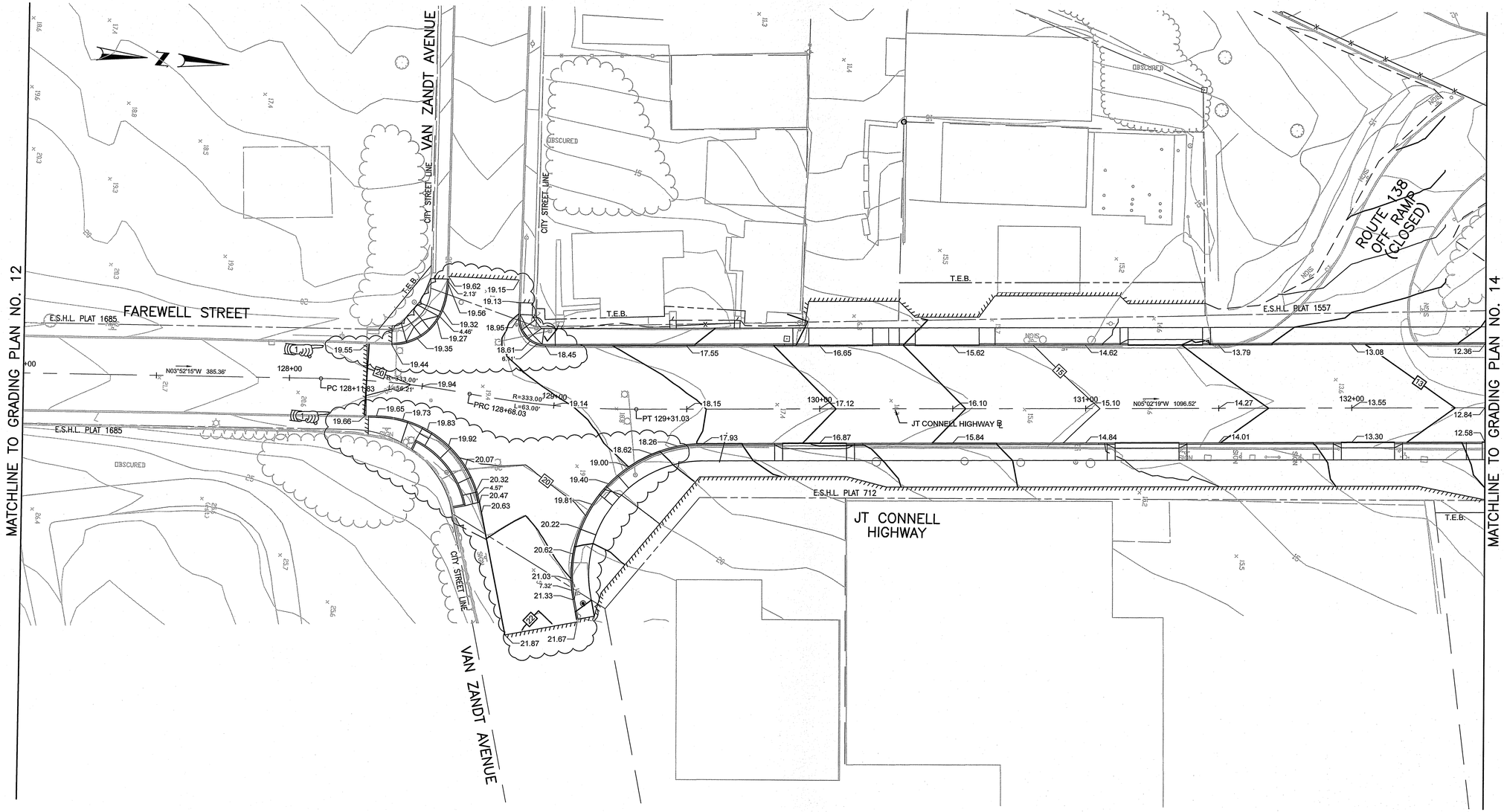
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 12

0050B_V1_104_GRADING012

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 105 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0056
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTR. SITE

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 105
OF:

SCALE: 1"=20'
GRAPHIC SCALE

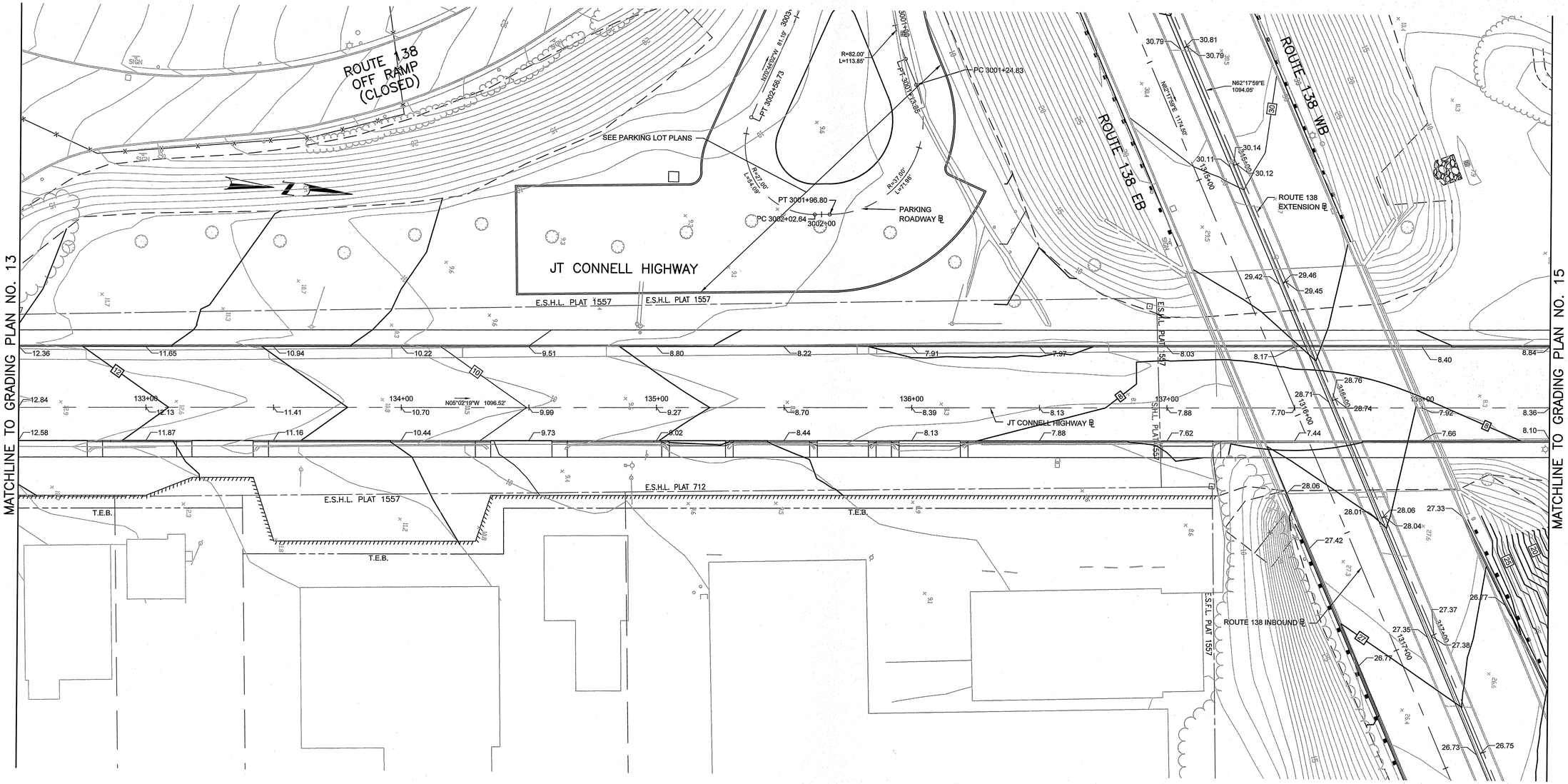
| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 13

0050B_V1_105_GRADING013_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 106 | 127 |




Environmental Management
FEB 2 6 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021 30-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 106
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
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| | | | | | |
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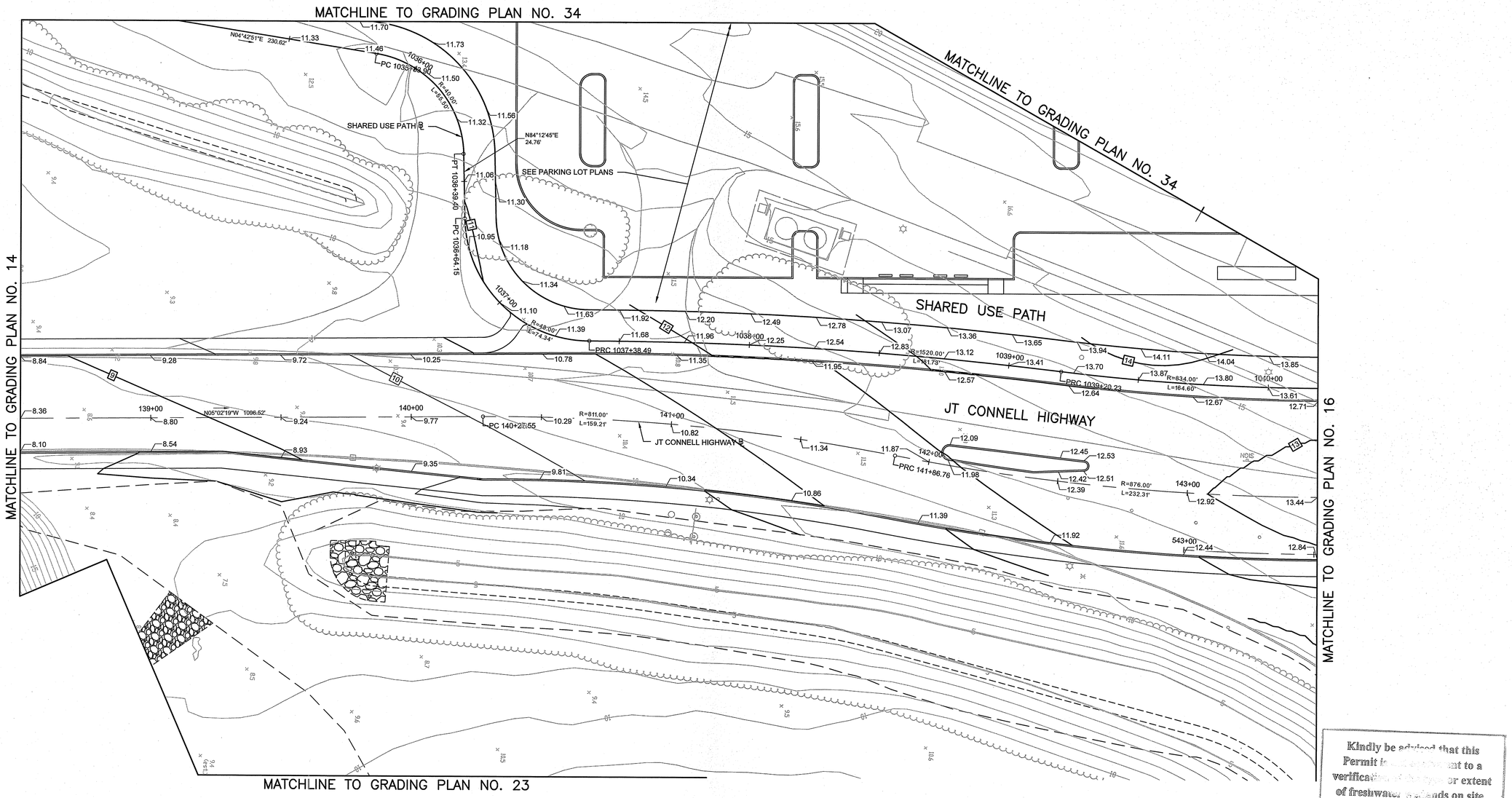
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 14

0050B_V1_106_GRADING014

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 107 | 127 |




Kindly be advised that this Permit is subject to a verification of the location or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED ON ATTACHED APPROVAL
DATED MAY MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE ON CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 107
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
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PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 15

0050B_V1_107_GRADING015

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 108 | 127 |

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

MATCHLINE TO GRADING PLAN NO. 34

MATCHLINE TO GRADING PLAN NO. 15

MATCHLINE TO GRADING PLAN NO. 17

MATCHLINE TO GRADING PLAN NO. 23

ROUTE 138 WB ON RAMP (CLOSED)

SHARED USE PATH

SHARED USE PATH ℄

JT CONNELL HIGHWAY

JT CONNELL HIGHWAY ℄

ROUTE 138 ON-RAMP ℄

CONNECTOR ROAD ℄

PARKING ROADWAY ℄

SEE PARKING LOT PLANS

CITY STREET LINE

T.E.B.

E.S.H.L. PLAT 712

E.S.H.L. PLAT 1557

P.S.H.L. PLAT NO. 2975

S.H.L. PLAT 1557

3012+00

PC 3012+71.48

PRC 1043+46.36

PCC 1043+72.52

PC 1043+24.17

PT 1040+84.83

PT 144+19.07

PC 147+67.93

PRC 543+59.78

3014+00
400+00

401+00

545+00

Environmental Management
FEB 26 2021
Office of Water Resources

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

ADDENDUM NO. 4


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1 Cedar Street
Suite 400
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401.272.8100


RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 108
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 16

0050B_V1_108_GRADING016_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 109 | 127 |

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE ON CONSTRUCTION SITE

MATCHLINE TO GRADING PLAN NO. 35

MATCHLINE TO GRADING PLAN NO. 16

MATCHLINE TO GRADING PLAN NO. 3

SHARED USE PATH

JT CONNELL HIGHWAY

E.S.H.L. PLAT 1557

E.S.H.L. PLAT 712

P.S.H.L. PLAT NO. 2976

PRC 1046+15.30 R=1510.00' L=47.58'

PT 1046+62.89

SHARED USE PATH ℄

JT CONNELL HIGHWAY ℄

PT 150+23.23

N00°39'49"E 659.78'

N00°39'49"E 876.77'

T.E.B.

Environmental Management
FEB 2 6 2021
Office of Water Resources


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 109
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| | | | | | |

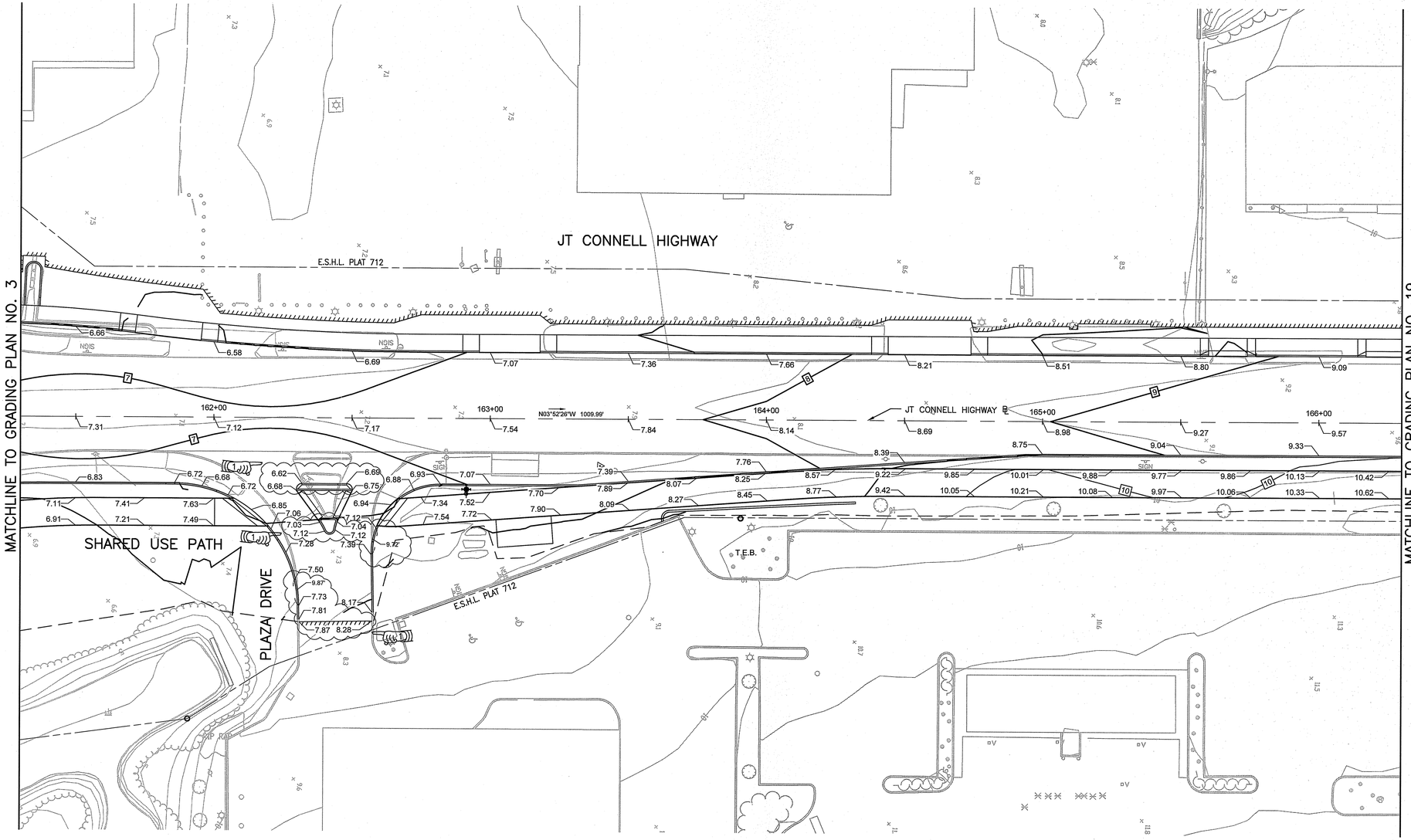
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 17

0050B_V1_109_GRADING017

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 110 | 127 |




Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE APPROVAL
DATED MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 110
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

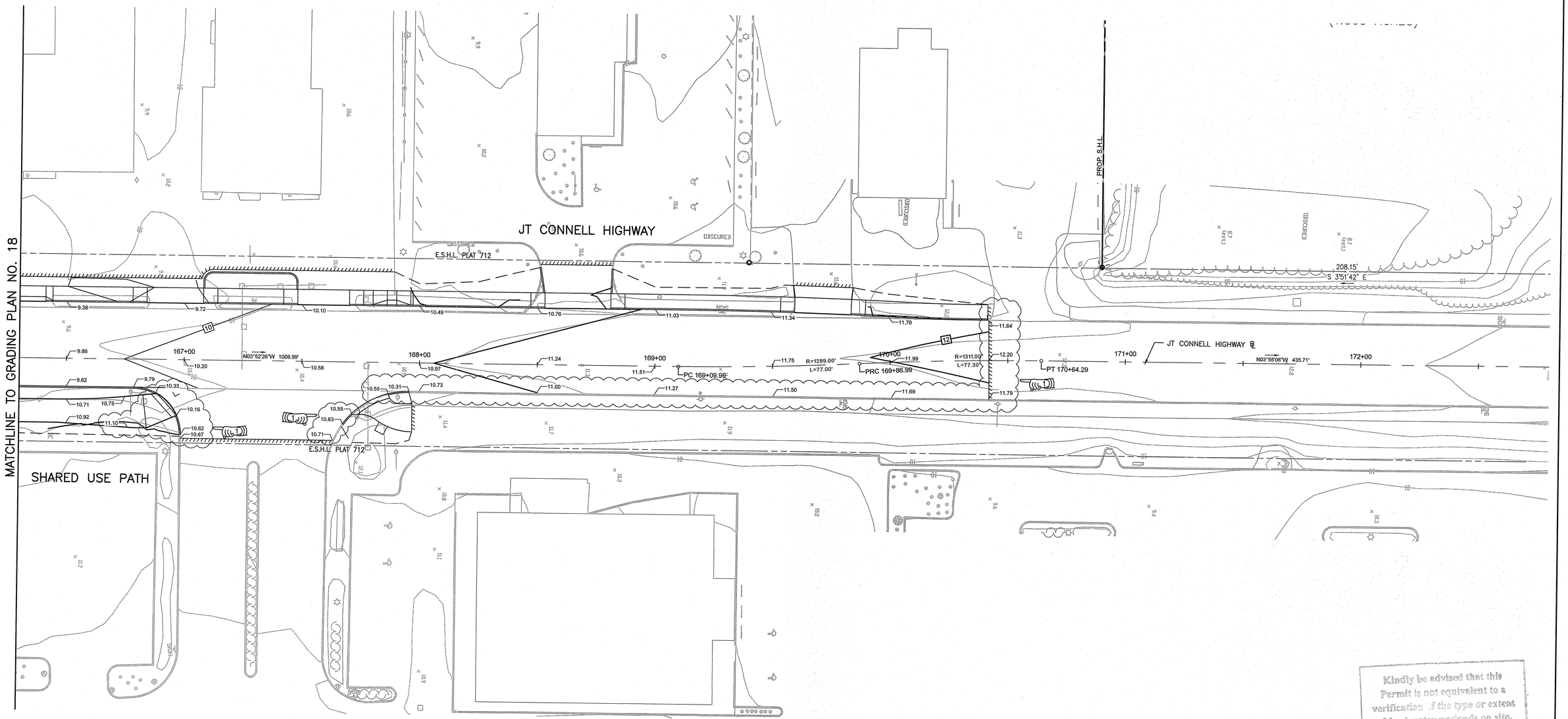
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 18

0050B_V1_110_GRADING018_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 111 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLAN MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 111
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 10 20 40

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |
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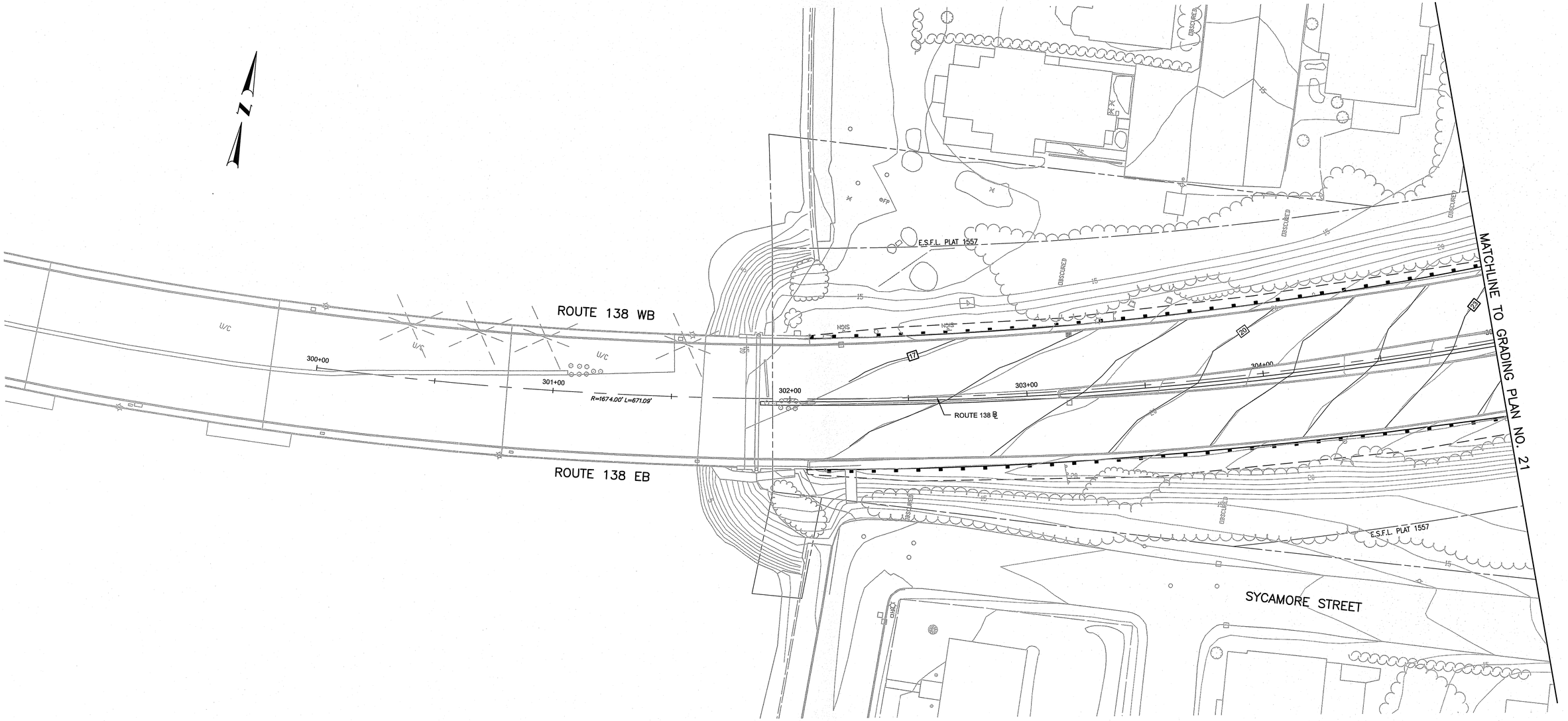
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 19

0050B_V1_111_GRADING019_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 112 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the precise extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 21 2021 FILE # 20-0856
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 112
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
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# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

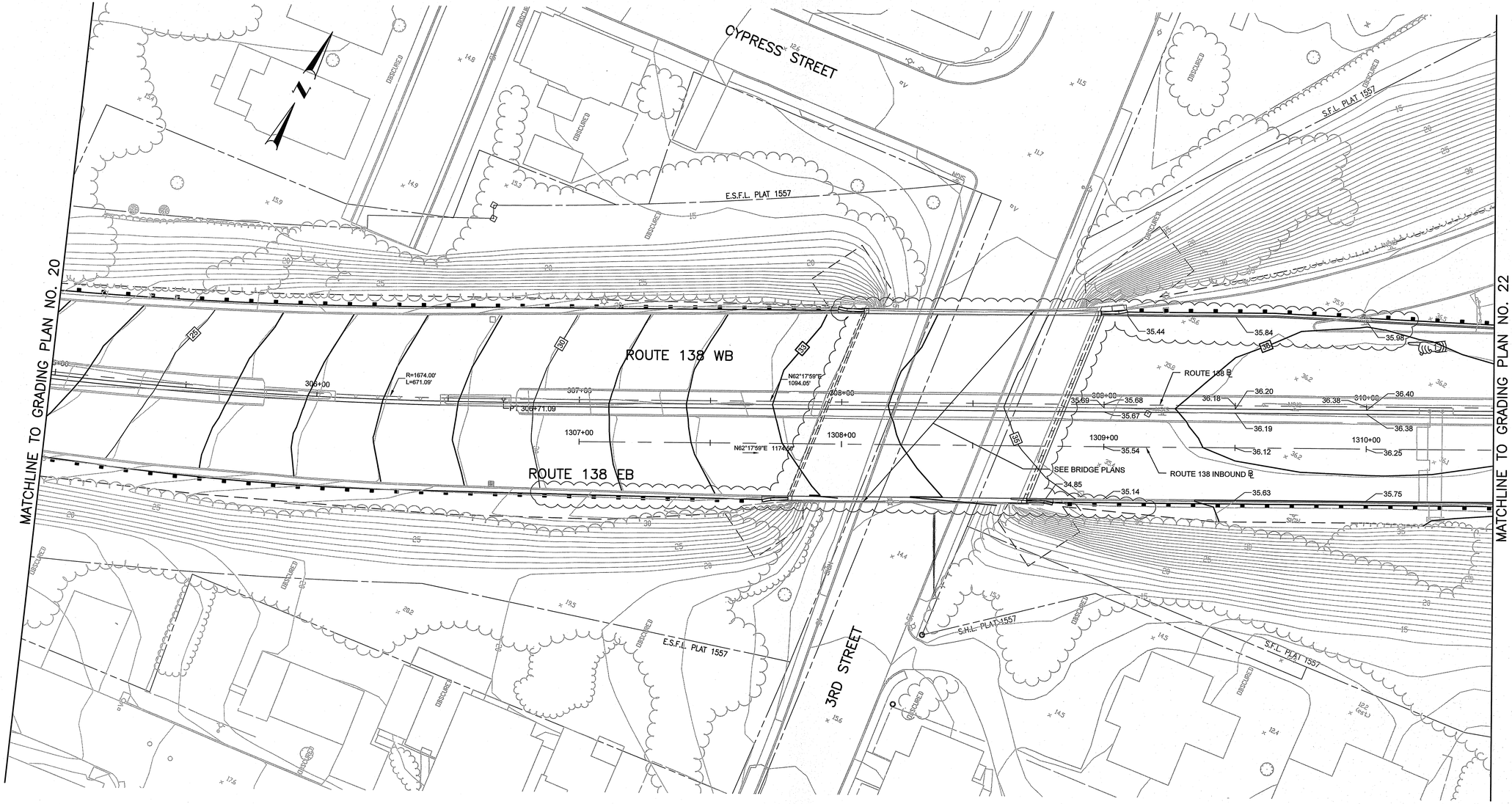
NEWPORT RHODE ISLAND

## GRADING PLAN NO. 20

0050B_V1_112_GRADING020

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 113 | 127 |




ADDENDUM NO. 4

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 113
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

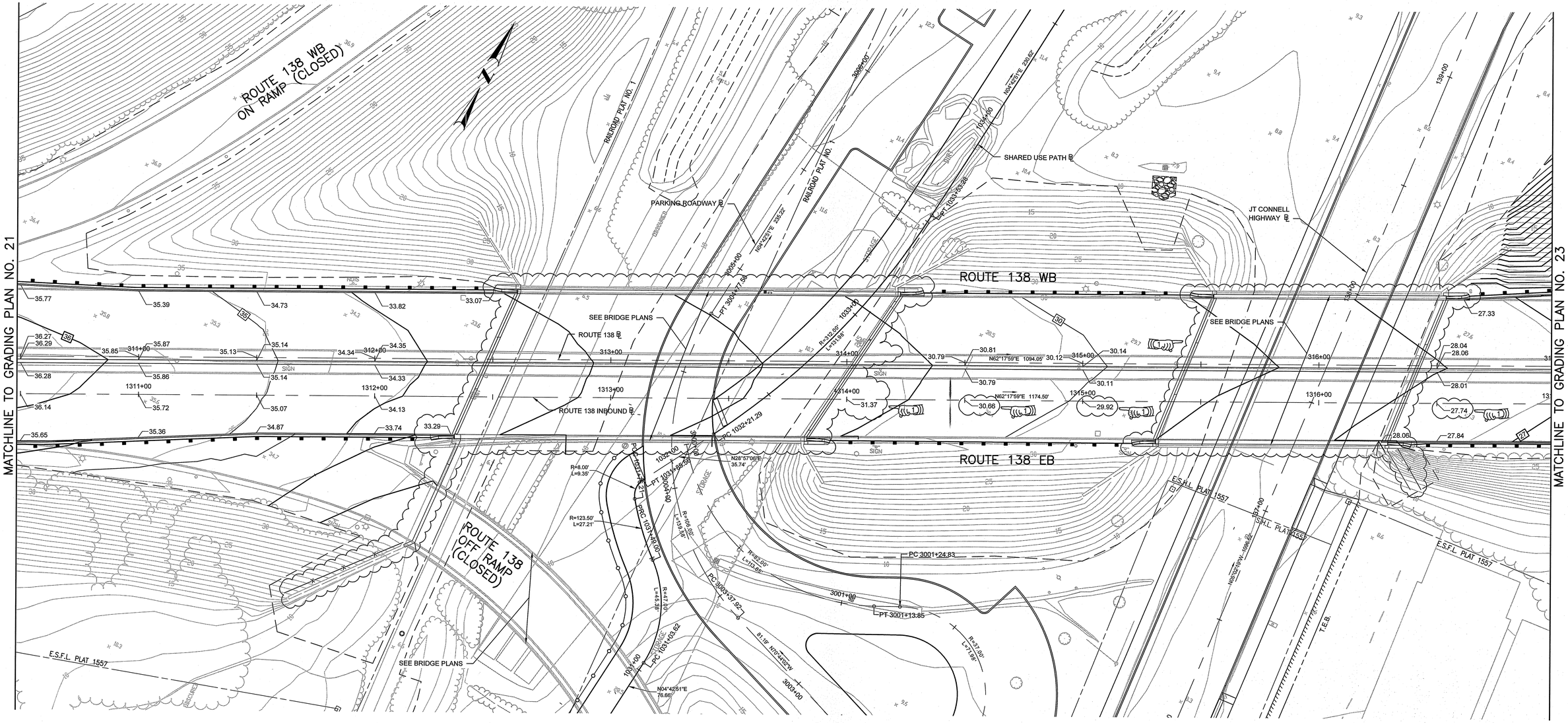
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 21

0050B_V1_113_GRADING021_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 114 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPLICATION NO. 20-0256
AS SPECIFIED BY THE ABOVE APPLICATION APPROVAL
DATED MAR 27 2021
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RI DOT
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 114
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 22

0050B_V1_114_GRADING022_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 115 | 127 |

MATCHLINE TO GRADING PLAN NO. 15

MATCHLINE TO GRADING PLAN NO. 22

MATCHLINE TO GRADING PLAN NO. 27

MATCHLINE TO GRADING PLAN NO. 24

ROUTE 138 WB

ROUTE 138 EB

ROUTE 138 ℄

ROUTE 138 INBOUND ℄

N62°17'59"E 1094.05'

N62°17'59"E 1174.59'

PC 317+85.13

PC 1318+74.50

R=924.00' L=429.81'

R=723.00' L=386.59'

R=1712.00' L=1381.48'

PCC 321+68.34

R=1754.00' L=808.07'

PCC 1322+11.09

E.S.F.L. PLAT 1557

E.S.F.L. PLAT 1557

Environmental Management
FEB 2 6 2021
Office of Water Resources

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVAL WITH CONDITIONS
ASSENTED TO: PENDING FINAL APPROVAL.
DATED: MAY 27 2021 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
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OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
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PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 23

0050B_V1_115_GRADING023

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 116 | 465 |

R-1

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN PERMIT APPROVAL
DATED OCT 27 2021 20-0356
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

MATCHLINE TO GRADING PLAN NO. 27

MATCHLINE TO GRADING PLAN NO. 23

MATCHLINE TO GRADING PLAN NO. 25

ROUTE 138 ON RAMP ℄

CONNECTOR ROAD ℄

ROUTE 138 WB

ROUTE 138 ℄

ROUTE 138 INBOUND ℄

ROUTE 138 EB

COLUMBUS WAY

HALSEY STREET

CITY STREET LINE

P.S.H.L. PLAT NO. 2973

P.S.H.L. PLAT NO. 2975

E.S.E.L. PLAT 157

PROP. S.H.L. 2972

PROP. S.H.L. 2974

PCC 550+54.08

PT 405+39.12

R=1676.00'
L=45.92'

R=86.00'
L=149.51'

R=1712.00'
L=1381.48'

R=1754.00'
L=808.07'

Environmental Management
FEB 26 2021
Office of Water Resources

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

ADDENDUM NO. 4


vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 116
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 24

0050B_V1_116_GRADING024_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 117 | 127 |

Kindly be advised that this Permit is subject to a verification of the extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED AS SPECIFIED CONDITIONS
DATED MAY 27 2021 APPROVAL 20-0236
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management
FEB 26 2021
Office of Water Resources

ADDENDUM NO. 2

NOTE
CORNER RADII PAVEMENT ELEVATIONS ARE GIVEN AT 10 FOOT INTERVALS UNLESS OTHERWISE NOTED.

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Suite 400
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RHODE ISLAND DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
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DATE:
SHEET: 117
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

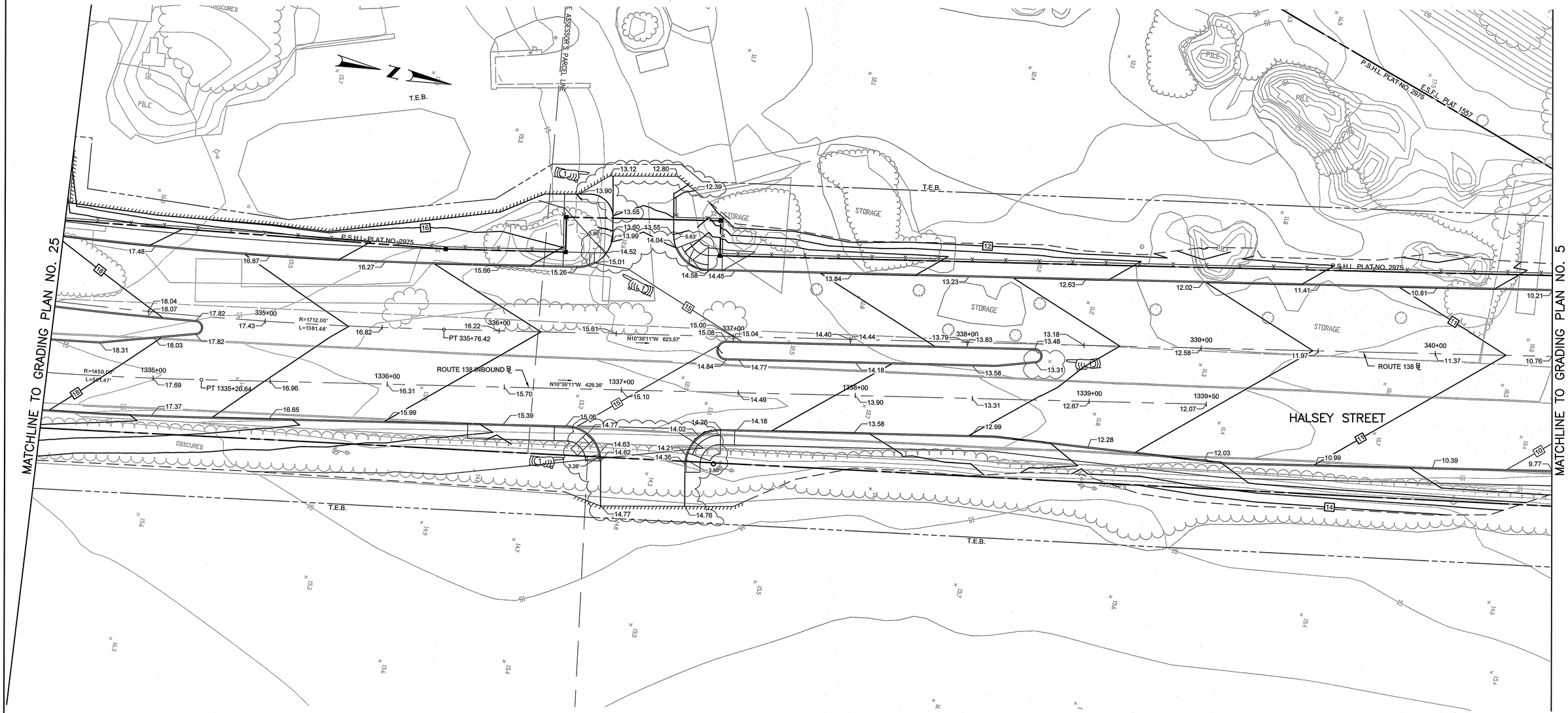
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

GRADING PLAN NO. 25

0050B_V1_117_GRADING025_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 118 | 127 |




ADDENDUM NO. 2

Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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NOTE
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vhb
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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DATE:
SHEET: 118
OF:

SCALE: 1"=20'
GRAPHIC SCALE 10 0 5 10 20 40

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

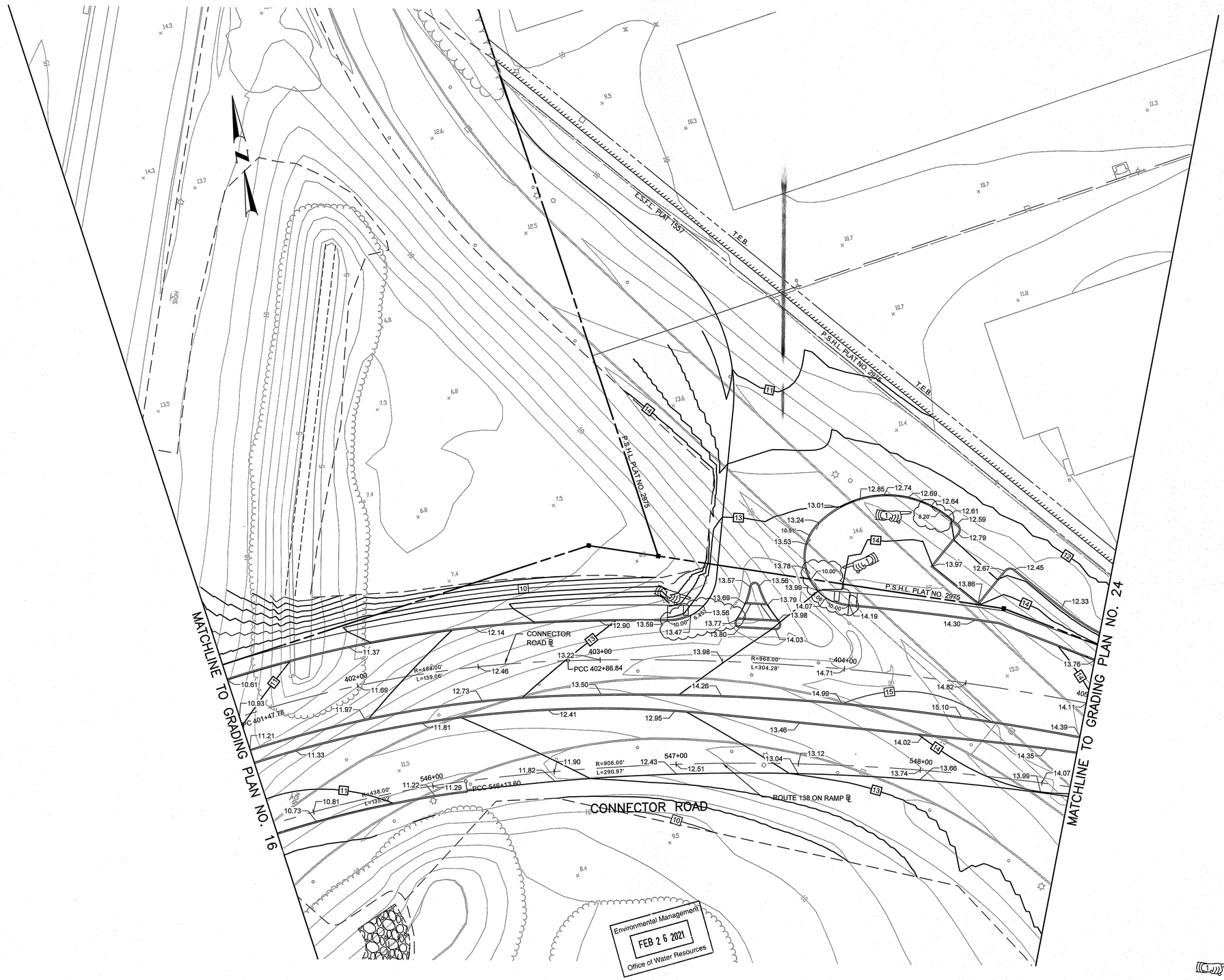
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 26

0050B_V1_118_GRADING026_ADD04

R-1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 119 | 127 |




Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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DATED MAY 27 2021 FILE #
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
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Environmental Management
FEB 26 2021
Office of Water Resources

NOTE
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ADDENDUM NO. 2


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1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 119
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
|---|---|---|---|---|---|
| NO. | DATE | BY | NO. | DATE | BY |
| 1 | 12/23/20 | VHB | | | |

# PELL BRIDGE
# APPROACH ROADS AND RAMP IMPROVEMENTS
# NEWPORT SIDE

NEWPORT RHODE ISLAND

## GRADING PLAN NO. 27

0050B_V1_119_GRADING027_ADD04

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 120 | 127 |

MATCHLINE TO GRADING PLAN NO. 16

MATCHLINE TO GRADING PLAN NO. 17

MATCHLINE TO GRADING PLAN NO. 27

MATCHLINE TO GRADING PLAN NO. 29

ROUTE 138 WB
ON RAMP (CLOSED)

P.S.H.L. PLAT NO. 2975

E.S.F.L. PLAT 1557

S.H.L.

SIGN

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
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Environmental Management
FEB 26 2021
Office of Water Resources

vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 120
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 28

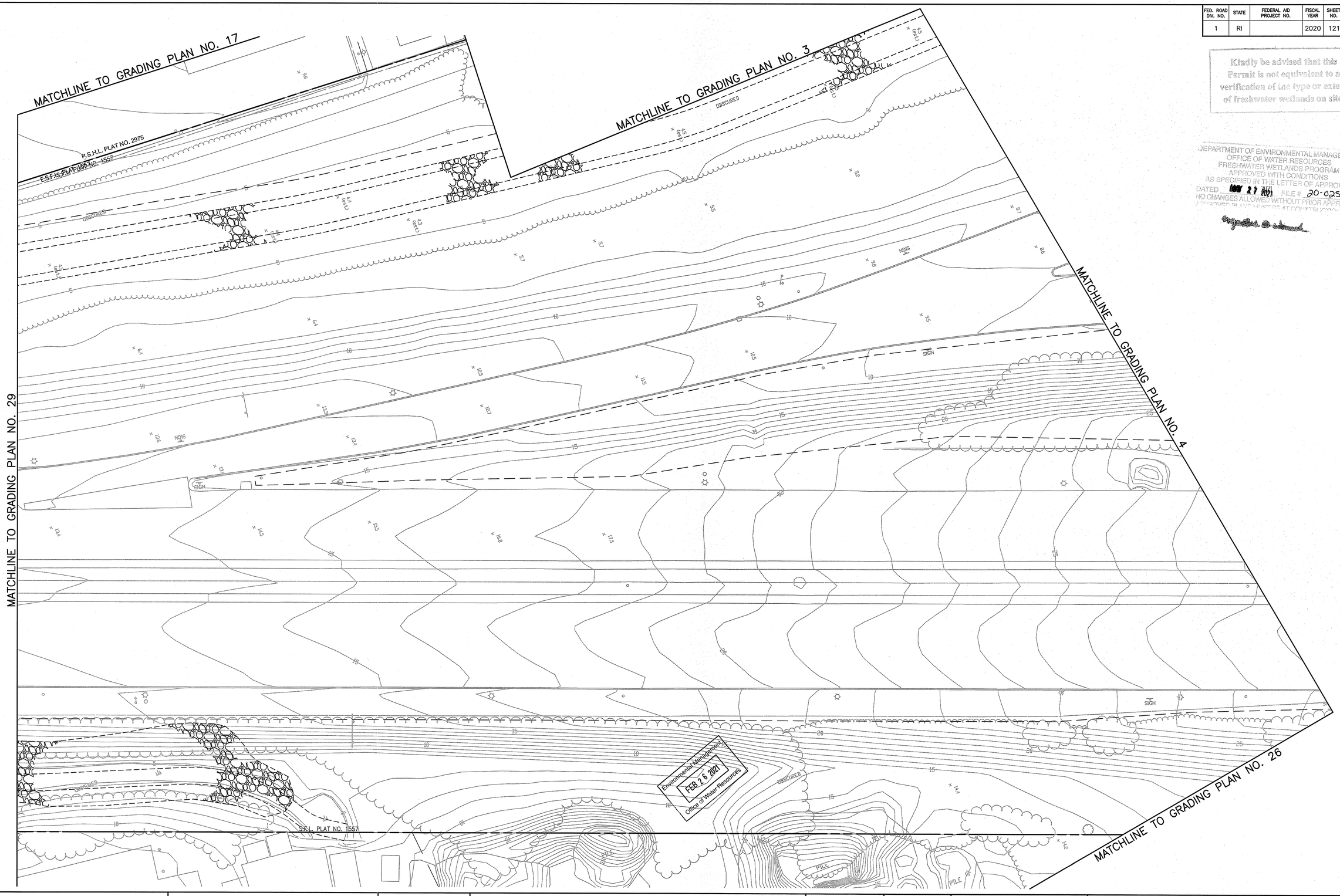
0050B_V1_120_GRADING028

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 121 | 127 |

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Expedited & Enhanced





vhb
1 Cedar Street
Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 121
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
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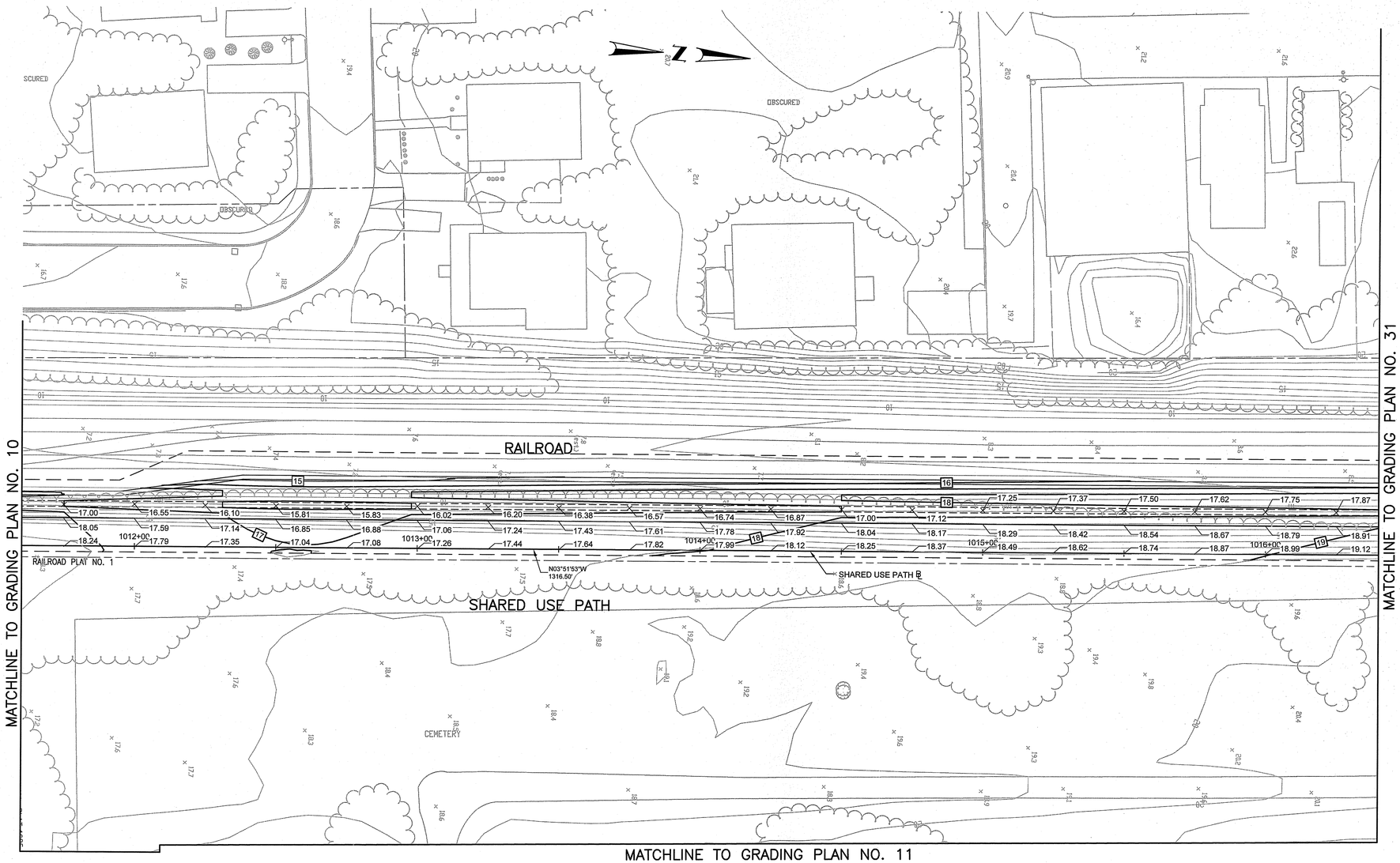
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 29

0050B_V1_121_GRADING029

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 122 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0956
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE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Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 122
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
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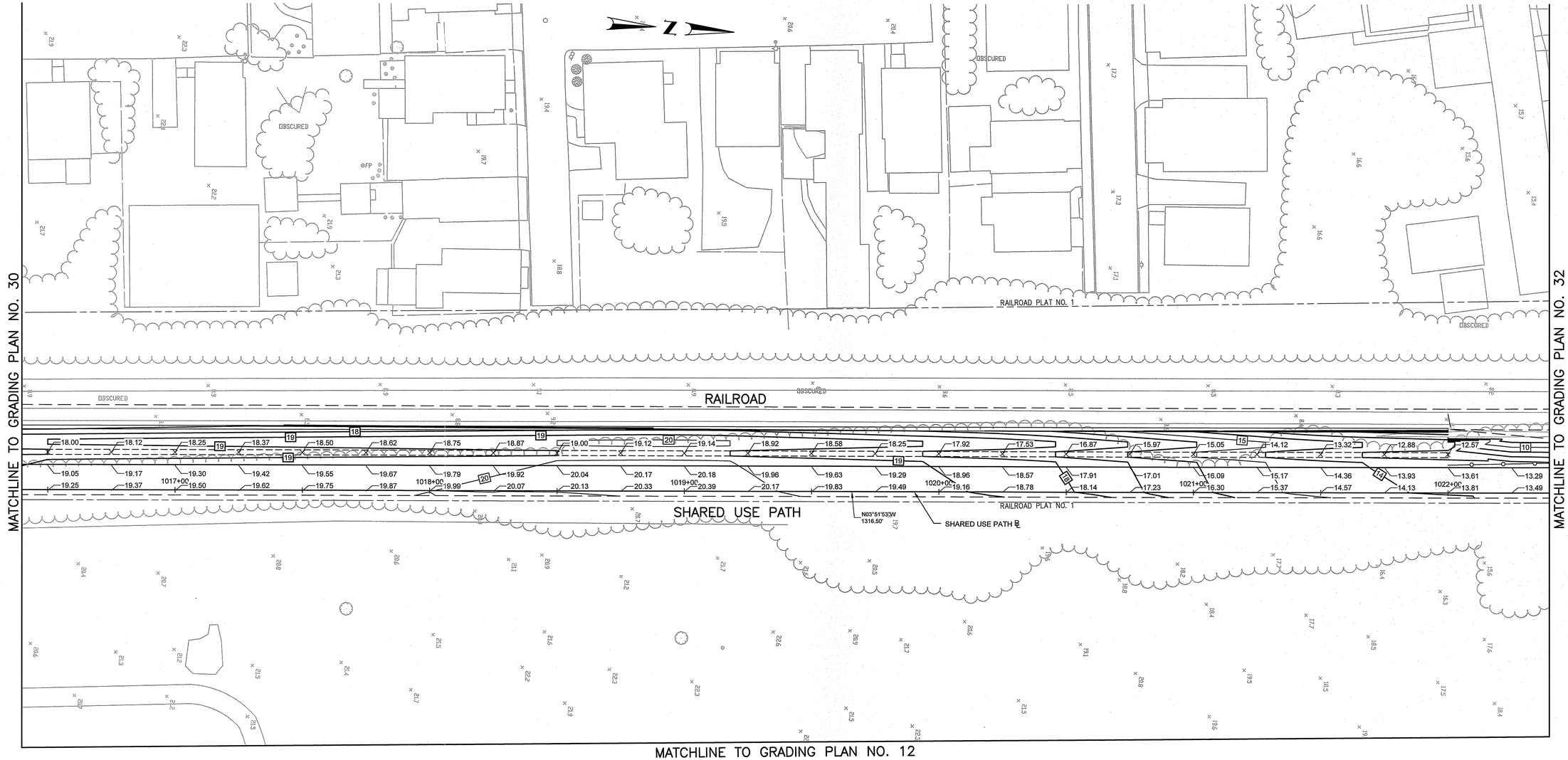
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 30

0050B_V1_122_GRADING030

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 123 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0056
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE


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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 123
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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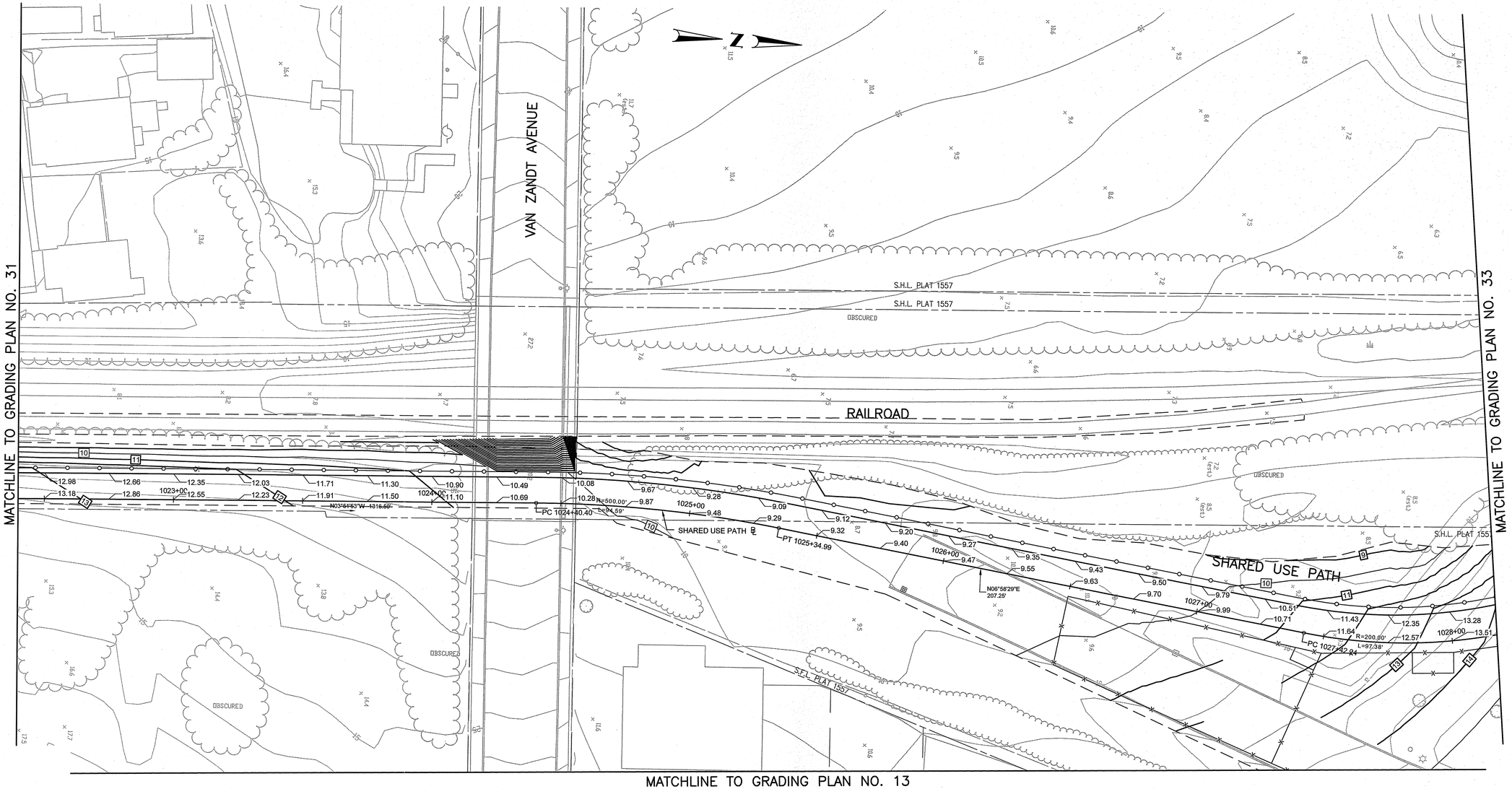
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 31

0050B_V1_123_GRADING031

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 124 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION


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1 Cedar Street
Suite 400
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 124
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| NO. | DATE | BY | NO. | DATE | BY |
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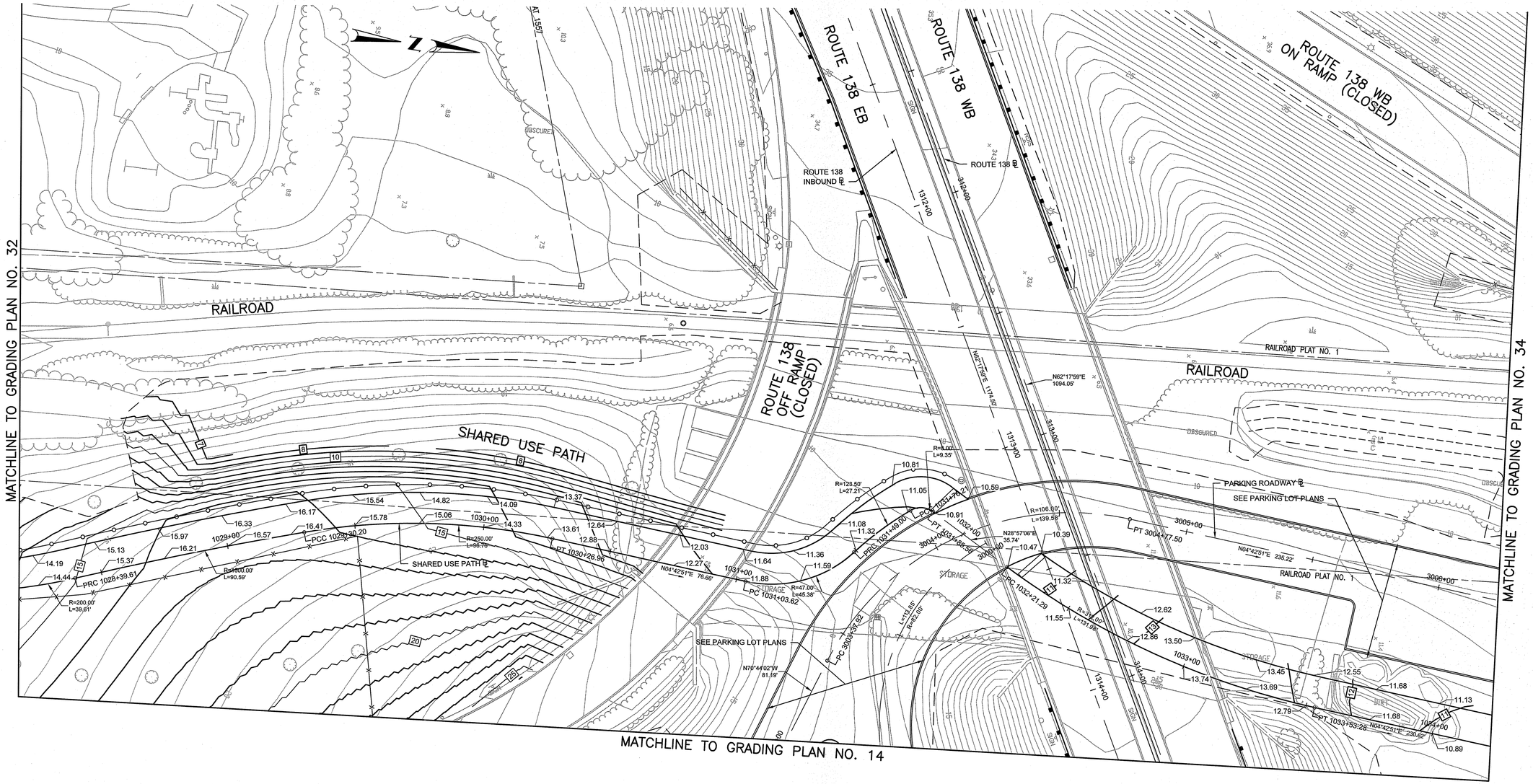
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 32

0050B_V1_124_GRADING032

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 125 | 127 |




Environmental Management
FEB 26 2021
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 27 2021 FILE # 20-0256
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE KEPT ON CONSTRUCTION SITE

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1 Cedar Street
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401.272.8100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 125
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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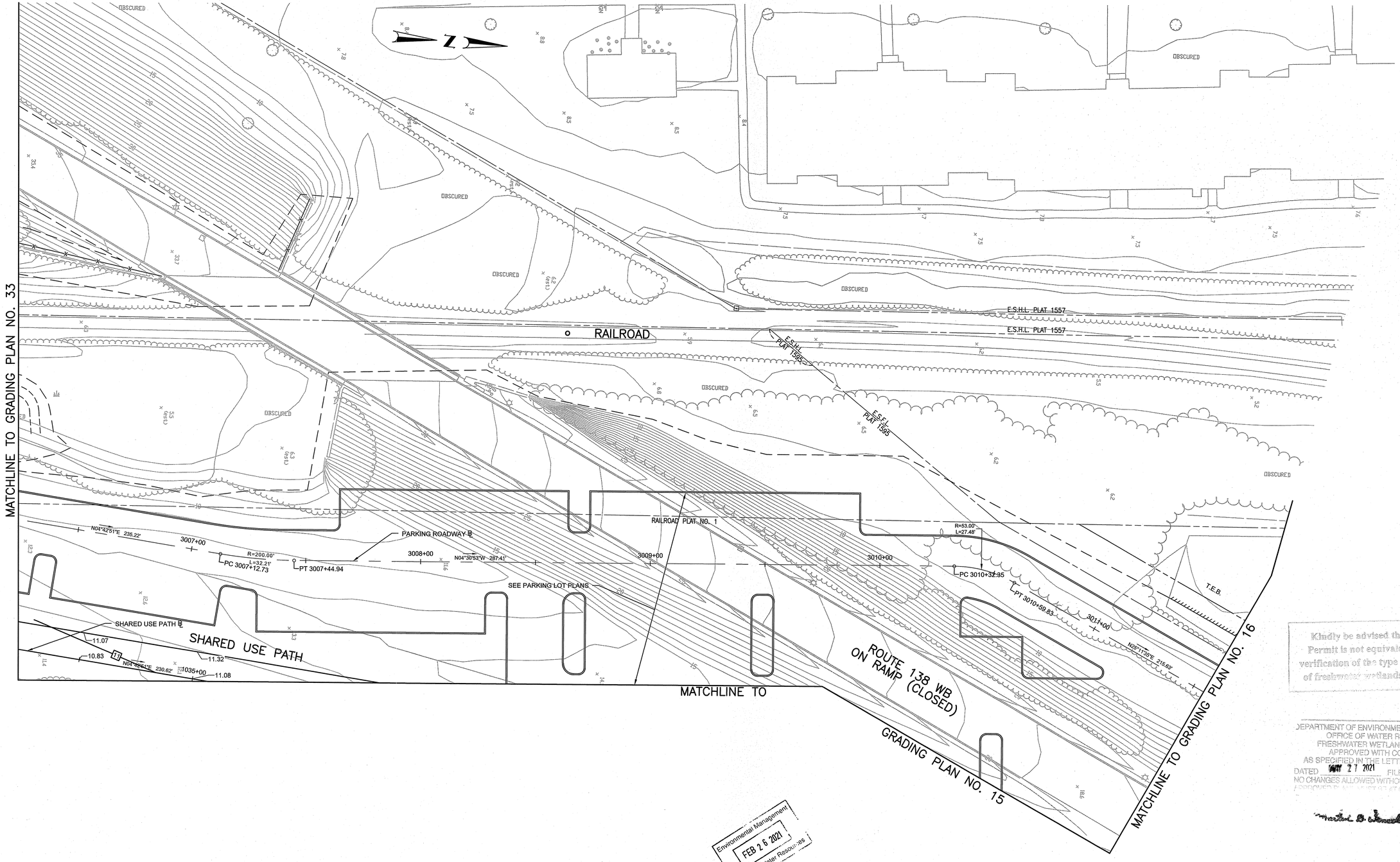
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# GRADING PLAN NO. 33

0050B_V1_125_GRADING033

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 126 | 127 |

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
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FEB 26 2021
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vhb
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401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
CHECKED BY:
DATE:
SHEET: 126
OF:

SCALE: 1"=20'
GRAPHIC SCALE

| REVISIONS NO. | DATE | BY | REVISIONS NO. | DATE | BY |
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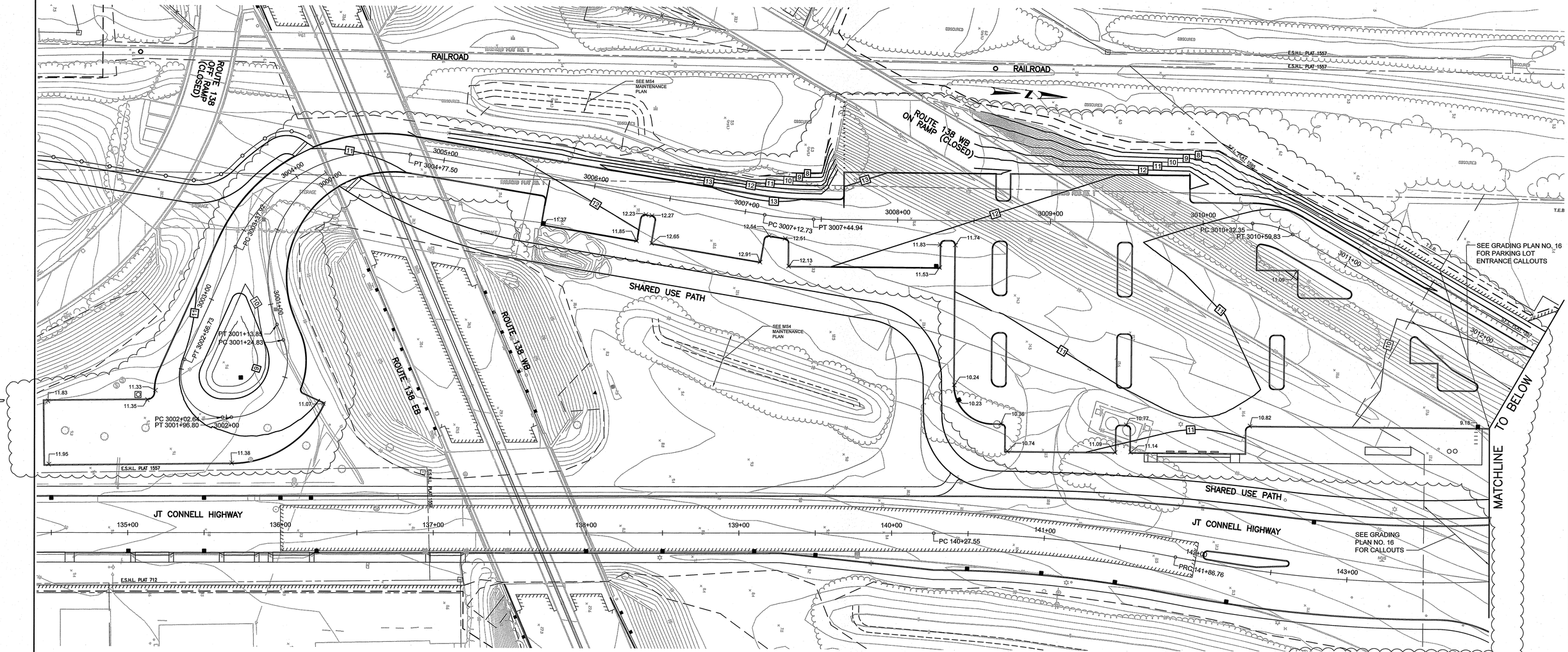
PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

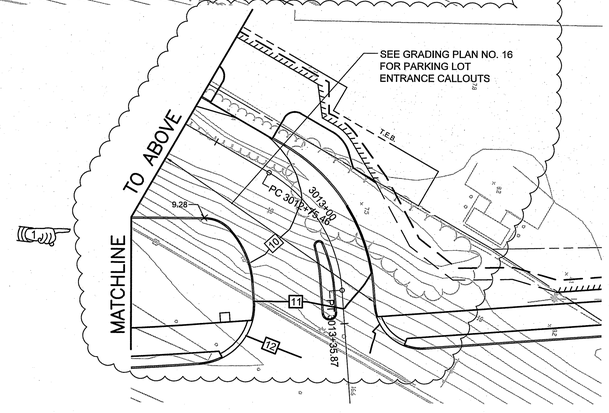
# GRADING PLAN NO. 34

0050B_V1_126_GRADING034

R–1

| FED. ROAD DIV. NO. | STATE | FEDERAL AID PROJECT NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 1 | RI | | 2020 | 127 | 127 |

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Environmental Management
FEB 26 2021
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS
AS SPECIFIED IN THE LETTER OF APPROVAL
DATED MAY 21 2021 FILE # 20-0256
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ADDENDUM NO. 4


vhb
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Suite 400
Providence, RI 02903
401.272.8100


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

DESIGNED BY:
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DATE:
SHEET: 127
OF:

SCALE: 1"=30'
GRAPHIC SCALE

| REVISIONS | | | REVISIONS | | |
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| 1 | 1/8/21 | VHB | | | |

PELL BRIDGE
APPROACH ROADS AND RAMP IMPROVEMENTS
NEWPORT SIDE
NEWPORT RHODE ISLAND

# PARKING LOT GRADING PLAN

0050B_V1_127_PARKGRD_ADD04